

90 4150 703

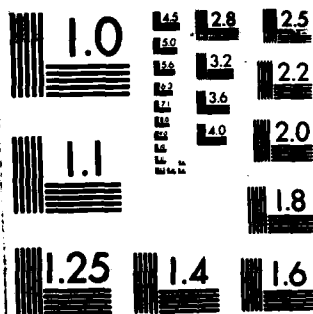
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KATIEONE BAY (U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHVILLE NC SEP 84

114

UNCLASSIFIED

FIG 42

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A150 703

DTIC ACCESSION NUMBER

III

LEVEL

PHOTOGRAPH THIS SHEET

1

INVENTORY

SMOS, Kaneohe Bay, Hi.
DOCUMENT IDENTIFICATION
Sep. 1984

DISTRIBUTION STATEMENT A

Approved for public release
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR

NTIS GRA&I ☒

DTIC TAB ☐

UNANNOUNCED ☐

JUSTIFICATION

BY

DISTRIBUTION /

AVAILABILITY CODES

DIST

AVAIL AND/OR SPECIAL

A-1

DISTRIBUTION STAMP

**DTIC
ELECTE
FEB 14 1985**

DATE ACCESSIONED

DATE RETURNED

85 02 12 181

DATE RECEIVED IN DTIC

REGISTERED OR CERTIFIED NO.

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDAC

AD-A150 703

AD-A150 703

SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #22519 Kaneohe Bay, HI

PERIOD: HOURLY 1/73-12/82
DAILY 4/45-12/82

JOB NO. 72006

DATE September 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529



UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Kaneohe Bay		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE September 1984
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

DD FORM 1473
1 JAN 73EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-LF-014-6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SUMMARY 22519	STATION NAME Kaneohe Bay, Hawaii	LATITUDE 21°27'N	LONGITUDE 157°47'W	STATION ELEV (FT) 18	CALL SIGN PHNG	WMO NUMBER 91176
--------------------------------	-------------------------------------	---------------------	-----------------------	-------------------------	-------------------	---------------------

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.		MCAS	1952	1962	21°27'N	157°47'W	9.8		
2.	Meteorology office, hangar 105	"	1962	1967	"	"	"		
3.	Weather office, hangar 105	"	1967		"	"	"		
1a.	Meteorology office, hangar 105	"	1962	1967	"	"	"		
2a.	Weather office, hangar 105	"	1967		"	"	11.5		

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.		Atop control tower	UMQ-5	RD-108		1. Barograph (Aero 1932 USN)
2.	1956	20' above hangar roof	"	"	72.4'	2. Auto met station (GMQ-29)
3.	1956	12' atop control tower	"	"		3. Ceiling light (ML 121)
4.	1961	Adjacent to & 366 yards from center line of runway			13'	4. Theodolite (ML 247)
5.	1977	Adjacent to & 366 yards from center line of runway	GMQ-29A	RO-447A		5. APT Recorder (Alden 9225N)
						6. Fax Recorder (Alden 18")

NWSD, Federal Building

NOCED, Federal Building
Asheville, N. C.

PART I A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION NAME: HAWAIIAN ISLANDS, HI YEARS: 40-49, 52-55, 57-65, 67-79 MONTH: ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	141.1	4.4	77.0				63.1	.3	1.2			1.7	771
FEB	138.0	4.7	72.4				63.5	.1	.7			.4	676
MAR	135.0	1.9	80.6				74.9	.4	.5			.5	744
APR	132.0	2.7	81.3				76.1		.1			.2	740
MAY	129.0	1.4	74.9				71.7	.2				.7	702
JUN	126.0	.1	89.2				75.5		.4			.4	700
JUL	123.0	.4	82.0				77.0	.5	.2			.7	615
AUG	120.0	.2	89.3				76.1						57
SEP	117.0	.7	85.1				71.7	.1				.1	767
OCT	114.0	3.0	82.3				69.6	.1	.5			.6	54
NOV	111.0	3.2	89.4			.1	75.6	.1	.1			.3	71
DEC	108.0	1.7	86.8				73.4	.2	.1			.4	104
TOTALS		2.2	85.5			.1	72.9	.2	.3			.5	5314

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
		.1	1.7				1.7						
			1.				1.						
	11		1.1										
	1		7.4										
	17		6.1				6.1						
		.3	10.1				10.1						
	27	.6	9.7				9.7						
TOTALS		.2	.1				1.3					.1	24

NAVWEASERVCOM

13

MONTH

1

1
1
1
1
1
1
1
1
1

1

WEATHER CONDITIONS

STATION NAME: KAHOLA O'HEA, HI

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	0		0.1				0.1	0.2				0	1
	1		0.7				0.7	0.3				0.7	71
	2		0				0.0	0.3				0	72
	3	0.3	5.0				5.0						5
	4	0.3	0.1				0.1						72
	5		0.5				0.5						73
	6		0				0.0						71
	7	0.3	6.5				6.5	0.3				0.7	717
	8												
	9												
	10												
	11												
	12												
TOTALS		0.1	7.0				7.0	0.2				0.2	24

NAVWEASERVCOM

OF 2-16 54321

3

WEATHER CONDITIONS

STATION NAME: KAHULUI, HI YEARS: 1960 MONTH: 1960

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		6.				6.						10
	02	.3	6.				6.						10
	03		7.7				7.7						10
	11	.3	6.				6.						10
	12		6.				6.						10
	13		6.				6.						10
	14		7.				7.						10
	21	.3	5.				5.						10
TOTALS		.1	6.6				5.6						240

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME

STATION

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	0		3.3				3.3						11
	1		5.6				5.6						11
	2	.3	4.4				4.7						11
	3		5.6				5.6						11
	4	1.0	3.9				4.9						11
	5		3.2				3.2						11
	6		5.6				5.6						11
	7		7.4				7.4						11
	8												
	9												
	10												
	11												
	12												
TOTALS		.2	5.1				5.3						24

NAYWEASERVCOM

44711 2026.54321

77-42

22

STATION

STATION NAME

YEARS

THEORY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME

STATION

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		7.1				7.1						71
	02		7.1				7.1						71
	03		6.1				6.1						61
	04		3.1				3.1						31
	05		3.1				3.1						31
	06		1.2				1.2						12
	07		4.5				4.5						45
	08		2.1				2.1						21
	09												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS			4.1				4.1						41

NAYWEASERVCOM

011 2076.5432

44-38861-17, HI

13-22

8 .
MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		3.2				3.2						320
	02		4.2				4.2						420
	03		4.1				4.1						410
	11		2.1				2.1						210
	12		2.3				2.3						230
	13	.3	2.3				2.3						230
	20		2.1				2.1						210
	21		5.5				5.5						550
TOTALS		.0	3.1				3.1						3000

NAVWEASERVCOM

WEATHER CONDITIONS

MA 100-100000, 41

• • •

708

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

[illegible]

NAYWEASERVCOM

STATION

2000

102

1

STATION NAME

YEAR

MONT

[illegible]

NAVWEASERVCOM

YEAR 21

22

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	6	.3	5.7				5.7						90
FEB		.3	6.3				6.3						90
MAR		/	7.				7.						100
APR	11		5.7				5.7						100
MAY	1	.3	6.				6.	.3				.3	100
JUN	1	.3	7.3				7.	.3				.3	100
JULY			8.3				8.3						100
AUG	2	.3	7.3				7.3						100
SEP													
OCT													
NOV													
DEC													
TOTALS		.2	6.7				6.7	.1				.1	270

NAYWEASERVCOM

YEARS

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

STATION

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

NAVWEASERVCOM

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
(L.S.T.) | THUNDER-
STORMS | RAIN
AND/OR
DRIZZLE | FREEZING
RAIN &/OR
DRIZZLE | SNOW
AND/OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND/OR
HAZE | BLOWING
SNOW | DUST
AND/OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| | 121 | .0 | 1.0 | | | | .8 | . | . | | | .1 | 24 |
| | | .3 | 1.7 | | | | 1.5 | | | | | | 100 |
| | | .1 | 1.1 | | | | 1.0 | .2 | | | | .1 | 24 |
| | | .1 | 1.6 | | | | 1.6 | | | | | | 2400 |
| | | .0 | .1 | | | | 1.0 | | | | | | 2400 |
| | | .1 | 1.0 | | | | 1.0 | .1 | | | | .1 | 2400 |
| | | | 4.0 | | | | 4.0 | | . | | | .1 | 24 |
| | | . | 3.0 | | | | 3.0 | | | | | | 2400 |
| | | .1 | 3.1 | | | | 1.3 | | | | | | 2400 |
| | | .0 | 4.0 | | | | 4.0 | | .1 | | | .1 | 24 |
| | | .0 | 1.3 | | | | 1.3 | .1 | | | | .1 | 2400 |
| | | .1 | .1 | | | | 1.0 | .2 | .1 | | | .1 | 2400 |
| TOTALS | | .1 | 5.0 | | | | 5.0 | .1 | . | | | .1 | 2414 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1211 KAHLOE PAV, HI JANUARY 1973-DECEMBER 1982 JANUARY MONTH HOURS 11.5.1.

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 3.2 | 7.9 | | | | | | 1.7 | | | | | | 78.1 |
| NNE | 2.3 | 6.7 | | | | | | 1.7 | | | | | | 87.6 |
| NE | 1.7 | 2.6 | | | | | | 1.7 | | | | | | 94.6 |
| ENE | 2.7 | 2.9 | | | | | | .4 | | | | | | 94.7 |
| E | 1.1 | 6.3 | | | | | | .7 | | | | | | 92.7 |
| ESE | | 6.3 | | | | | | | | | | | | 93.7 |
| SE | 1.7 | 9.3 | | | | | | | | | | | | 88.9 |
| SSE | 2.7 | 17.1 | | | | | | | | | | | | 90.7 |
| S | 1.3 | 7.3 | | | | | | .7 | | | | | | 87.6 |
| SSW | 1.7 | 7.3 | | | | | | .7 | | | | | | 90.7 |
| SW | 1.7 | 6.5 | | | | | | | | | .6 | | | 97.1 |
| WSW | 4.7 | 9.5 | | | | | | .7 | | | | | | 95.7 |
| W | 1.7 | 13.2 | | | | | | 1.7 | | | | | | 97.6 |
| WNA | 3.7 | 11.1 | | | | | | | | | | | | 96.7 |
| WNW | 2.7 | 7.9 | | | | | | | | | | | | 89.5 |
| NNW | 1.7 | 20.0 | | | | | | | 1.8 | | | | | 78.2 |
| VAR ABLE
A.M. | | 2.2 | | | | | | | | | | | | 96.7 |
| TOTAL | 41 | 171 | | | | | | 12 | 1 | | 1 | | | 2254 |
| TOTAL | 1.7 | 6.9 | | | | | | .7 | .8 | | .9 | | | 90.9 |

TOTAL NUMBER OF OBSERVATIONS 2,450

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NO. 10010 STATION NAME KAIKOE BAY, HI YEARS JANUARY 1973-DECEMBER 1982 MONTH FEBRUARY HOURS OBSERVED

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 3.6 | 7.6 | | | | | | | | | | | | 8.6 |
| NNE | 0.0 | 7.5 | | | | | | | | | | | | 1.0 |
| NNE | | 5.4 | | | | | | | | | | | | 4.0 |
| NNE | | 4.3 | | | | | | | | | | | | 5.0 |
| E | 0.0 | 2.0 | | | | | | 0.0 | | | | | | 6.0 |
| ESE | 3.0 | 4.4 | | | | | | | | | | | | 89.0 |
| SE | 6.0 | 9.1 | | | | | | | | | | | | 84.1 |
| ESE | 2.0 | 10.8 | | | | | | | | | | | | 46.8 |
| S | 1.0 | 2.2 | | | | | | 0.1 | | | | | | 90.0 |
| SW | 3.0 | 2.7 | | | | | | 0.0 | | | | | | 13.0 |
| SW | 2.0 | 4.9 | | | | | | | | | | | | 22.2 |
| WSW | 1.0 | 3.4 | | | | | | 1.1 | | | | | | 60.5 |
| W | 3.1 | 10.0 | | | | | | | | | | | | 85.9 |
| WSW | | 2.2 | | | | | | | | | | | | 46.0 |
| WSW | 7.4 | 3.7 | | | | | | 1.0 | | | | | | 88.9 |
| NNW | | 11.0 | | | | | | | | | | | | 48.1 |
| VARIALE | | | | | | | | | | | | | | 0.0 |
| A.M. | 0.0 | 2.3 | | | | | | | | | | | | 0.0 |
| TOTAL | 12 | 113 | | | | | | 7 | | | | | | 911 |
| TOTAL | 1.0 | 5.0 | | | | | | 0.0 | | | | | | 93.0 |

TOTAL NUMBER OF OBSERVATIONS 2,250

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

NAIPOLEI BAY, HI

JANUARY 1973-DECEMBER 1982

MARCH

| WIND
DIRECTION | FAVORABLE
WIND | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|-------------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 1.7 | 13.5 | | | | | 1.7 | | | | | | 5.7 |
| NNE | 1.4 | 7.1 | | | | | | | | | | | 7.6 |
| NW | 1.7 | 6.3 | | | | | | | | | | | 7.3 |
| ENE | 1.7 | 7.3 | | | | | | | | | | | 7.6 |
| E | 1.7 | 7.3 | | | | | | | | | | | 7.6 |
| ESE | 1.7 | 7.3 | | | | | | | | | | | 7.6 |
| SE | 11.1 | 11.1 | | | | | | | | | | | 18.9 |
| SSE | 1.7 | 7.3 | | | | | | | | | | | 7.6 |
| S | 1.7 | 7.3 | | | | | | | | | | | 7.6 |
| SSW | 11.1 | 11.1 | | | | | 1.7 | | | | | | 16.5 |
| SW | 6.3 | 6.3 | | | | | | | | | | | 13.2 |
| WSW | 1.7 | 7.3 | | | | | | | | | | | 8.6 |
| W | 1.7 | 7.3 | | | | | | | | | | | 8.6 |
| WNW | 1.7 | 7.3 | 3.5 | | | | | 7.7 | | | | | 16.7 |
| WSW | 1.7 | 21.7 | | | | | 4.3 | | | | | | 44.6 |
| W | 1.7 | 16.7 | 4.3 | | | | | 7.7 | | | | | 73.9 |
| WNW | 1.7 | 16.7 | 4.3 | | | | | 7.7 | | | | | 64.6 |
| WNW | 2.5 | 2.5 | | | | | | | | | | | |
| WNW | 4.0 | 14.3 | 2 | | | | | 4 | | | | | 12.3 |
| WNW | 1.7 | 5.8 | 1 | | | | 1 | 2 | | | | | 2.5 |

TOTAL NUMBER OF OBSERVATIONS

2,400

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME: KALECHE BAY, HI STATION NAME: JANUARY 1973-DECEMBER 1982 MONTH: APRIL HOURS: 1,500

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 1.0 | 10.4 | | | | | | | | | | | | 86.6 |
| NNE | 1.0 | 4.9 | | | | | | | | | | | | 93.4 |
| NE | 1.4 | 7.4 | | | | | | | | | | | | 91.2 |
| ENE | .1 | 4.0 | | | | | | | | | | | | 95.0 |
| E | .1 | 4.6 | | | | | | .4 | | | | | | 95.0 |
| ESE | 1.0 | 5.7 | | | | | | | | | | | | 92.3 |
| SE | | | | | | | | | | | | | | 90.0 |
| SSE | 4.0 | 14.3 | | | | | | | | | | | | 81.0 |
| S | 1.1 | 8.0 | | | | | | | | | | | | 88.0 |
| SSW | | 16.1 | | | | | | | | | | | | 83.9 |
| SW | | 5.4 | | | | | | | | | | | | 86.6 |
| WSW | | 5.3 | | | | | | | | | | | | 86.7 |
| W | | | | | | | | | | | | | | 100.0 |
| WNW | 4.0 | 20.0 | | | | | | | | | | | | 76.0 |
| NW | 13.3 | 13.3 | | | | | | | | | | | | 73.3 |
| NNW | | 12.0 | | | | | | | | | | | | 88.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | 7.4 | 1.1 | | | | | | | | | | | 91.2 |
| TOTAL | 1.7 | 140 | 1 | | | | | | | | | | | 2241 |
| TOTAL | .7 | 5.8 | .0 | | | | | .1 | | | | | | 93.8 |

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME
FAVORITE DAY, HI

YEARS
JANUARY 1973-DECEMBER 1982

MONTH
MAY

HOURS (L.S.T.)

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 7.6 | 2.2 | | | | | | 2.0 | | | | | | 75.6 |
| NNE | 6.5 | 7.3 | | | | | | 1.0 | | | | | | 90.0 |
| NE | | 3.1 | | | | | | | | | | | | 96.4 |
| ENE | | 3.1 | | | | | | | | | | | | 96.6 |
| E | | 2.9 | | | | | | 0.1 | | | | | | 97.1 |
| ESE | | 5.3 | | | | | | | | | | | | 90.7 |
| SE | | 15.0 | | | | | | | | | | | | 75.0 |
| SSE | | 30.0 | | | | | | | | | | | | 70.0 |
| S | | 15.8 | | | | | | | | | | | | 81.2 |
| SSW | | 11.8 | | | | | | | | | | | | 88.2 |
| SW | | 11.1 | | | | | | | | | | | | 88.9 |
| WSW | | 15.8 | | | | | | | | | | | | 81.2 |
| W | | 17.3 | | | | | | | | | | | | 86.7 |
| WNW | | | | | | | | | | | | | | 100.0 |
| NA | | 5.7 | | | | | | 5.7 | | | | | | 93.3 |
| NNW | | 20.0 | | | | | | | | | | | | 80.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | 1.4 | 2.0 | | | | | | | | | | | | 89.7 |
| TOTAL | | 118 | | | | | | 4 | | | | | | 23.2 |
| TOTAL | 6.4 | 4.8 | | | | | | 0.1 | | | | | | 94.9 |

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME KANOEY BAY, HI

YEARS JANUARY 1973-DECEMBER 1982

MONTH JUNE

STATION

STATION NAME

YEARS

MONTH

HOURS U.S.T.

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | .7 | 4.3 | | | | | | | | | | | | 67.6 |
| NNE | 1.3 | 8.0 | | | | | | | | | | | | 67.6 |
| NE | .7 | 1.5 | | | | | | | .4 | | | | | 67.6 |
| ENE | | 3.3 | | | | | | | | | | | | 67.6 |
| E | .1 | 3.1 | | | | | | .1 | | | | | | 66.7 |
| ESE | 1.1 | 4.3 | | | | | | | | | | | | 74.6 |
| SE | 1.7 | | | | | | | | | | | | | 83.3 |
| SSE | | | | | | | | | | | | | | 100.0 |
| S | | 23.1 | | | | | | | | | | | | 76.9 |
| SSW | | 14.3 | | | | | | | | | | | | 85.7 |
| SW | | | | | | | | | | | | | | 100.0 |
| WSW | | 14.3 | | | | | | | | | | | | 85.7 |
| W | | | | | | | | | | | | | | 100.0 |
| WNW | | 12.5 | | | | | | | | | | | | 87.5 |
| NW | | 25.0 | | | | | | | | | | | | 75.0 |
| NNW | 3.0 | 8.3 | | | | | | | | | | | | 66.7 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | 1.3 | 2.7 | | | | | | | | | | | | 54.5 |
| TOTAL | 12 | 4 | | | | | | 2 | 2 | | | | | 23.2 |
| TOTAL | .7 | 3.3 | | | | | | .1 | .1 | | | | | 46.0 |

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION JANUARY 1973-DECEMBER 1982 MONTH JULY HOURS (L.S.T.)

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | | | | | | | | | | | | | 100.0 |
| NNE | | | | | | | | | | | | | | 100.0 |
| NE | | 6.0 | | | | | | | | | | | | 93.9 |
| ENE | | 3.0 | | | | | | | | | | | | 96.9 |
| E | | 5.3 | | | | | | | | | | | | 94.6 |
| ESE | | 4.8 | | | | | | | | | | | | 95.2 |
| SE | | | | | | | | | | | | | | 100.0 |
| SSE | | | | | | | | | | | | | | 100.0 |
| S | | | | | | | | | | | | | | 100.0 |
| SSW | | | | | | | | | | | | | | 100.0 |
| SW | | | | | | | | | | | | | | 100.0 |
| WSW | | 73.3 | | | | | | | | | | | | 66.7 |
| W | | 25.0 | | | | | | | | | | | | 75.0 |
| WNW | | | | | | | | | | | | | | 100.0 |
| NW | | | | | | | | | | | | | | 100.0 |
| NNW | | | | | | | | | | | | | | 100.0 |
| VARIABLE | | | | | | | | | | | | | | 100.0 |
| CALM | | 4.8 | | | | | | | | | 4.0 | | | 91.2 |
| TOTAL | | 11.0 | | | | | | | | | 1 | | | 23.0 |
| TOTAL | | 4.8 | | | | | | | | | .7 | | | 95.2 |

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME FANSHOE BAY, HI

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

HOURS - L.S.T.

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | 7.1 | | | | | | | | | | | | 92.9 |
| NNE | | 1.4 | | | | | | | | | | | | 98.6 |
| NE | | 2.8 | | | | | | | | | | | | 96.5 |
| ENE | | 2.3 | | | | | | | | | | | | 97.7 |
| E | .1 | 3.7 | | | | | | | | | | | | 96.2 |
| ESE | | 9.4 | | | | | | | | | | | | 90.6 |
| SE | | 12.6 | | | | | | | | | | | | 87.5 |
| SSE | | | | | | | | | | | | | | 100.0 |
| S | | | | | | | | | | | | | | 100.0 |
| SSW | | 20.6 | | | | | | | | | | | | 79.4 |
| SW | | | | | | | | | | | | | | 100.0 |
| WSW | | 10.0 | | | | | | | | | | | | 89.0 |
| W | | 7.1 | | | | | | .1 | | | | | | 98.9 |
| WNW | | 16.7 | | | | | | | | | | | | 83.3 |
| NW | | | | | | | | | | | | | | 100.0 |
| NNW | | | | | | | | | | | | | | 100.0 |
| VARIABLE | | | | | | | | | | | | | | 100.0 |
| CALM | | 5.8 | | | | | | | | | | | | 94.2 |
| TOTAL | | 7.4 | | | | | | 1 | | | | | | 2393 |
| % TOTAL | .1 | 3.4 | | | | | | .1 | | | | | | 96.5 |

TOTAL NUMBER OF OBSERVATIONS

2,490

NAVWEASERVCOM

1 ADA062044
 2 4/2, 8/6
 6 Summary of Meteorological Observations, Surface (SMOS) Kaneohe
 - Bay, HI.
 8 U
 9 Reference rept. 1945-1977.
 11 Jul 78
 12 351
 20 U
 23 *Meteorological data, *Hawaii, Climate, Weather, Wind, Visibility,
 - Precipitation, Observation, Temperature, Coastal regions, Barometric
 - pressure, Statistics, Tables(Data), Humidity.
 24 U
 25 *Kaneohe Bay, SMOS(Summary of Meteorological Observations Surface).
 - Summary of Meteorological Observations Surface.
 26 U
 27 This data report consists of a six part statistical summary of
 - surface weather observations. The six parts are: Part A - Weather
 - Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow
 - Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky
 - Cover, Part E - Psychrometric Summaries, and Part F - Station Pressure/Sea
 - Level Pressure.
 28 U

29 106528
 30 106528
 END OF DISPLAY - - ENTER DESIRED COMMAND

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

00619

MANFORD BAY, MT

JANUARY 1973-DECEMBER 1982 SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | | 3.7 | | | | | | | | | | | | 97.1 |
| NNE | | 3.1 | | | | | | | | | | | | 97.0 |
| NE | | 2.7 | | | | | | | | | | | | 97.4 |
| ENE | | 2.5 | | | | | | | | | | | | 97.2 |
| E | | 3.7 | | | | | | | | | | | | 97.3 |
| ESE | | 3.1 | | | | | | | | | | | | 97.9 |
| SE | | 7.7 | | | | | | | | | | | | 92.3 |
| SSE | | | | | | | | | | | | | | 100.0 |
| S | | | | | | | | | | | | | | 100.0 |
| SSW | | 17.6 | | | | | | | | | | | | 82.4 |
| SW | | 4.8 | | | | | | | | | | | | 95.2 |
| WSW | | 16.7 | | | | | | 11.1 | | | | | | 77.8 |
| W | | 8.3 | | | | | | | | | | | | 91.7 |
| WNW | | | | | | | | | | | | | | 100.0 |
| NW | | | | | | | | | | | | | | 100.0 |
| NNW | | 16.7 | | | | | | 8.3 | | | | | | 83.3 |
| VARIABLE | | | | | | | | | | | | | | 91.7 |
| CALM | | 7.6 | | | | | | | | | | | | 91.7 |
| TOTAL | | 79 | | | | | | 3 | | | | | | 2312 |
| TOTAL | | 3.3 | | | | | | .1 | | | | | | 96.7 |

TOTAL NUMBER OF OBSERVATIONS

2,392

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME KANEOHE BAY, HI JANUARY 1973-9 DECEMBER 1982 MONTH HOURS U.S.T.

| WIND
DIRECTION | RAIL | RAIN
SH | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | N
WEATHER |
|-------------------|------|------------|---------|---|------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|--------------|
| N | .1 | 10.4 | | | | | | 2.1 | | | | | | 47.1 |
| NNE | .1 | 8.1 | | | | | | | | | | | | 34.1 |
| NE | 2.1 | 3.7 | | | | | | | | | | | | 34.1 |
| NNE | | 1.7 | | | | | | | | | | | | 38.1 |
| E | .1 | 2.6 | | | | | | | | | .3 | | | 46.1 |
| ESE | 1.1 | 1.3 | | | | | | | | | | | | 46.1 |
| SE | 1.6 | 11.1 | | | | | | | | | | | | 43.1 |
| SSE | 14.3 | 4.6 | | | | | | | | | | | | 41.1 |
| S | 13.1 | | | | | | | | | | | | | 46.5 |
| SSW | | 3.0 | | | | | | | | | | | | 47.1 |
| SW | | 6.1 | | | | | | | | | | | | 47.1 |
| WSW | 1.1 | 3.4 | | | | | | | | | | | | 46.1 |
| W | 1.4 | .4 | | | | | | | | | | | | 31.1 |
| WNW | 1.1 | | | | | | | | | | | | | 44.1 |
| NW | 1.1 | 15.8 | | | | | | 1.3 | | | | | | 73.7 |
| NNW | | 27.8 | | | | | | | | | | | | 72.2 |
| CA - N | | | | | | | | | | | | | | |
| CA - M | | | | | | | | | | | | | | |
| TOTAL | 31 | 73 | 1 | | | | | | | | 3 | | | 231 |
| TOTAL | 1.1 | 3.3 | .1 | | | | | .1 | | | .1 | | | 95.1 |

TOTAL NUMBER OF OBSERVATIONS 2,457

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

10510 KAILUOHE TAY, HI JANUARY 1973-DECEMBER 1982 NOVEMBER
STATION NAME YEARS MONTH NO. OF OBS.

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | .3 | 6.5 | | | | | | 1.1 | | | | | | 60.0 |
| NNE | | 5.3 | | | | | | | | | | | | 74.0 |
| NE | .4 | 3.5 | | | | | | | .0 | | | | | 76.0 |
| ENE | .4 | 3.3 | | | | | | | | | | | | 75.0 |
| E | .5 | 7.2 | .1 | | | | | .1 | | | | | | 95.0 |
| ESE | | 7.2 | | | | | | | | | | | | 97.8 |
| SE | | 27.7 | | | | | | 2.7 | | | | | | 73.0 |
| SSE | 7.1 | 33.3 | | | | | | | | | | | | 57.6 |
| S | | 12.7 | 1.6 | | | | | | | | | | | 75.7 |
| SSW | | 5.8 | | | | | | | | | | | | 91.2 |
| SW | | 5.6 | | | | | | | | | | | | 74.4 |
| WSW | 7.0 | 14.5 | | | | | | 4.0 | | | | | | 72.0 |
| W | 7.7 | 8.9 | | | | | | | | | | | | 74.4 |
| WSW | | 75.3 | | | | | | | | | | | | 75.2 |
| W | | | | | | | | | | | | | | 100.0 |
| NNW | | 5.0 | | | | | | | | | | | | 75.0 |
| VAR | | | | | | | | | | | | | | |
| ALL | 1.1 | 4.3 | | | | | | | | | | | | 75.0 |
| TOTAL | 1.7 | 17.3 | 2 | | | | | 5 | 2 | | | | | 224.6 |
| TOTAL | .7 | 5.5 | .1 | | | | | .2 | .1 | | | | | 73.6 |

TOTAL NUMBER OF OBSERVATIONS 2,399

NAYWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME KAHLOE BAY, HI

PERIOD JANUARY 1973-DECEMBER 1982

MONTH DECEMBER

HOURS U.S.T.

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 1.7 | 7.7 | | | | | | | | | | | | 90.4 |
| NNE | 0.7 | 5.2 | | | | | | | 0.6 | | | | | 94.3 |
| NNE | 0.4 | 6.4 | | | | | | | 0.5 | | | | | 92.9 |
| NNE | 0.7 | 4.2 | | | | | | 0.7 | | | | | | 95.5 |
| E | 1.7 | 7.0 | | | | | | | | | | | | 93.3 |
| ESE | 1.1 | 4.5 | | | | | | | | | | | | 94.3 |
| SE | 4.7 | 16.0 | | | | | | | | | | | | 80.0 |
| SSE | 14.7 | 11.6 | | | | | | | | | | | | 74.4 |
| SSW | 1.1 | 0.5 | | | | | | 1.1 | | | | | | 89.5 |
| SW | 0.7 | 9.2 | | | | | | | | | | | | 89.9 |
| SW | 4.1 | 6.2 | | | | | | | | | | | | 89.7 |
| WSW | 1.3 | 5.3 | | | | | | | | | | | | 92.4 |
| W | 1.7 | 11.3 | | | | | | | | | | | | 87.1 |
| WNW | 10.3 | 6.9 | | | | | | | | | | | | 82.2 |
| NW | 5.7 | 15.2 | | | | | | | | | | | | 61.8 |
| NNW | 17.7 | 17.5 | | | | | | | | | | | | 67.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | 1.7 | 4.3 | | | | | | | 2.4 | | 2.4 | | | 53.7 |
| TOTAL | 4.7 | 156 | | | | | | 2 | 4 | | 1 | | | 2245 |
| TOTAL | 1.7 | 6.3 | | | | | | 0.1 | 0.2 | | 0.3 | | | 91.7 |

TOTAL NUMBER OF OBSERVATIONS 2,469

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12 14 KAHOLEE PAV, HI

JANUARY 1973-DECEMBER 1982

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (S.T.)

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | SLEET
SHOWERS
ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIL
SMALL
HAIL | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 3.7 | 5.8 | | | | | | .0 | | | | | | 88.7 |
| NNE | 1.1 | 5.3 | .1 | | | | | .0 | .1 | | | | | 94.3 |
| NE | .0 | 4.4 | | | | | | .1 | .2 | | | | | 94.7 |
| ENE | .0 | 3.3 | | | | | | .0 | | | | | | 96.4 |
| E | .0 | 3.0 | .0 | | | | | .0 | .1 | | .0 | | | 95.6 |
| ESE | 1.7 | 5.1 | | | | | | .0 | | | | | | 93.2 |
| SE | 2.0 | 12.5 | | | | | | .0 | | | | | | 84.5 |
| SSE | 1.7 | 15.1 | | | | | | | | | | | | 79.7 |
| S | 1.0 | 8.9 | .2 | | | | | .0 | | | | | | 84.7 |
| SSW | 1.3 | 8.2 | | | | | | .0 | | | .0 | | | 94.1 |
| SW | 1.7 | 5.8 | | | | | | | | | | | | 92.5 |
| WSW | 2.0 | 8.3 | | | | | | 1.2 | | | | | | 88.4 |
| W | 3.7 | 9.9 | | | | | | .0 | | | | | | 86.1 |
| WNW | 3.4 | 8.7 | .4 | | | | | | .0 | | | | | 87.5 |
| NW | 4.7 | 11.4 | | | | | | 1.0 | | | | | | 83.9 |
| NNW | 6.4 | 16.4 | .3 | | | | | .7 | .7 | | | | | 78.9 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | | 4.6 | .1 | | | | | | .1 | | .1 | | | 94.7 |
| TOTAL | 27.4 | 142.3 | 6 | | | | | 4 | 13 | | 6 | | | 274.85 |
| TOTAL | .9 | 4.9 | .0 | | | | | .0 | .0 | | .0 | | | 94.2 |

TOTAL NUMBER OF OBSERVATIONS

29,195

NAVWEASERVCOM

WCCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

| | | |
|---|--------------------------------------|------------------------|
| Air Force Stations | From beginning of record thru 1945 | Snow depth at 0800 LST |
| | Jan 46-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |
| U. S. Navy and Weather
Bureau Stations | From beginning of record thru Jun 52 | Snow depth at 0030 GCT |
| | Jul 52-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME: NAVROCK PT, HT YEARS: 40-41, 52-55, 57-64, 67-82

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO.
OF
OBS. | MONTHLY AMOUNTS
(INCHES) | | |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|---|----------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | .01 | .02-.03 | .04-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-13.4 | 13.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW-
DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 21.4 | 16.6 | 7.1 | 13.8 | 6.7 | 9.7 | 6.7 | 3.5 | 2.7 | 1.5 | .5 | | | 51.7 | 676 | 6.00 | 15.54 | .4 |
| FEB | 35.6 | 15.9 | 6.9 | 13.1 | 8.6 | 6.6 | 5.7 | 4.2 | 2.4 | .6 | | | | 46.4 | 706 | 3.76 | 16.04 | .6 |
| MAR | 21.4 | 20.7 | 6.1 | 18.3 | 9.6 | 11.0 | 4.6 | 3.5 | 1.3 | .7 | | .1 | | 55.7 | 837 | 4.27 | 14.29 | .54 |
| APR | 22.4 | 11.9 | 7.1 | 18.8 | 10.5 | 9.2 | 6.5 | 2.8 | 1.3 | .5 | .3 | | | 57.6 | 780 | 4.34 | 22.23 | .64 |
| MAY | 25.7 | 20.6 | 6.6 | 20.5 | 9.1 | 6.8 | 2.4 | 1.3 | 1.7 | .2 | | | | 52.3 | 837 | 2.37 | 7.3 | .17 |
| JUN | 21.3 | 22.5 | 9.6 | 21.9 | 11.7 | 8.0 | 3.7 | .6 | .1 | .1 | | | | 73.7 | 840 | 1.43 | 4.71 | .1 |
| JUL | 21.1 | 11.6 | 7.5 | 22.6 | 12.7 | 10.8 | 4.6 | 1.6 | .1 | | | | | 41.3 | 819 | 1.95 | 4.12 | .4 |
| AUG | 22.6 | 21.6 | 8.1 | 21.2 | 11.1 | 9.3 | 4.4 | .8 | .7 | .1 | | | | 55.5 | 899 | 1.81 | 5.76 | .27 |
| SEP | 21.4 | 22.4 | 7.7 | 16.5 | 10.1 | 9.9 | 2.3 | 1.3 | .8 | | | | | 41.2 | 841 | 1.76 | 4.54 | .1 |
| OCT | 21.6 | 17.5 | 7.5 | 17.2 | 11.1 | 8.3 | 4.4 | .7 | 1.0 | .1 | .1 | | | 51.5 | 859 | 2.58 | 9.10 | .1 |
| NOV | 21.2 | 21.2 | 5.6 | 16.3 | 11.4 | 11.9 | 4.0 | 2.2 | 2.3 | .7 | .2 | | | 55.6 | 810 | 4.33 | 15.45 | .69 |
| DEC | 21.6 | 17.7 | 5.9 | 16.5 | 8.3 | 12.8 | 5.8 | 3.8 | 3.1 | .2 | | | | 56.4 | 899 | 4.23 | 17.01 | .4 |
| ANNUAL | 21.6 | 19.7 | 7.6 | 17.0 | 9.8 | 9.8 | 4.5 | 2.4 | 1.5 | .4 | .1 | .1 | | 53.9 | 17052 | 3.83 | | |

NAVWEASERVCOM

37

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION 4A QUINCY, HT STATION NAME 4-4, 52-55, 57-64, 69-87 YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO.
OF
OBS | MONTHLY AMOUNTS
(INCHES) | | |
|---------------|------------------|-------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|---|---------------------------|-----------------------------|----------|-------|
| | PRECIP | NONE | TRACE | .01 | .02-.05 | .06-10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW
DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | | | | | | | | | | | | | | | | | | |
| FEB | | | | | | | | | | | | | | | | | | |
| MAR | | | | | | | | | | | | | | | | | | |
| APR | | | | | | | | | | | | | | | | | | |
| MAY | | | | | | | | | | | | | | | | | | |
| JUN | | | | | | | | | | | | | | | | | | |
| JUL | | | | | | | | | | | | | | | | | | |
| AUG | | | | | | | | | | | | | | | | | | |
| SEP | | | | | | | | | | | | | | | | | | |
| OCT | | | | | | | | | | | | | | | | | | |
| NOV | | | | | | | | | | | | | | | | | | |
| DEC | | | | | | | | | | | | | | | | | | |
| ANNUAL | | | | | | | | | | | | | | | | | | |

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNC DEPT.
(FROM DAILY OBSERVATIONS)

STATION NAME VA. LONG KEY, HT. YEARS 52-55, 57-64, 69-82

| | AMOUNTS (INCHES) | | | | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO.
OF
OBS. | MONTHLY AMOUNTS
(INCHES) | | |
|---------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|------|---|----------------------------|-----------------------------|-------|--|
| PRECIP | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | MEAN | | | GREATEST | LEAST | |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | | |
| SNOW
DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | | |
| JAN | 100.0 | | | | | | | | | | | | | | 744 | | | | |
| FEB | 100.0 | | | | | | | | | | | | | | 537 | | | | |
| MAR | 100.0 | | | | | | | | | | | | | | 717 | | | | |
| APR | 100.0 | | | | | | | | | | | | | | 640 | | | | |
| MAY | 100.0 | | | | | | | | | | | | | | 612 | | | | |
| JUN | 100.0 | | | | | | | | | | | | | | 61 | | | | |
| JUL | 100.0 | | | | | | | | | | | | | | 6 | | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 66 | | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 660 | | | | |
| OCT | 100.0 | | | | | | | | | | | | | | 744 | | | | |
| NOV | 100.0 | | | | | | | | | | | | | | 770 | | | | |
| DEC | 100.0 | | | | | | | | | | | | | | 744 | | | | |
| ANNUAL | 100.0 | | | | | | | | | | | | | | 8506 | | | | |

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION KATFORD HAY, NE 45-47, 52-55, 57-65, 62-82

24 HOUR AMOUNTS IN INCHES

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|------|------|-------|------|------|------|------|------|------|------|------|------|---------------|
| 4 | | | | 4.1 | 1.70 | .17 | .11 | 1.10 | .00 | .30 | | 1.2 | |
| 4 | .30 | .67 | .24 | .99 | | .99 | .62 | | .19 | 1.02 | 1.30 | 1.70 | |
| 4 | .43 | .33 | 3.77 | | .21 | 1.31 | .69 | .29 | 1.77 | .76 | 2.66 | .57 | |
| 4 | | 1.6 | .52 | 2.39 | .17 | .48 | .48 | .29 | .74 | .23 | 1.44 | .59 | |
| 4 | .50 | | .47 | | | | | | | | | | |
| 4 | .54 | .78 | 1.99 | .43 | .14 | .31 | .32 | .37 | 1.26 | .18 | .34 | .28 | 1.78 |
| 4 | 1.33 | 1.48 | 1.52 | 1.47 | .22 | .36 | 1.00 | .43 | .32 | .88 | 9.10 | 1.73 | 9.10 |
| 5 | 7.97 | 7.77 | 4.24 | .22 | .69 | .10 | .33 | .39 | | | | | |
| 5 | .47 | 2.31 | 11.61 | .74 | .50 | .37 | .47 | 1.94 | .49 | .42 | 3.28 | 1.66 | |
| 5 | | | | | .97 | .10 | .47 | 2.80 | .65 | .59 | 1.17 | .35 | |
| 5 | .61 | 1.73 | 2.71 | .74 | .77 | .44 | .30 | .91 | .59 | 1.77 | .63 | 1.98 | 2.71 |
| 1 | 2.87 | .34 | .92 | 1.13 | .30 | .29 | .72 | .25 | .98 | 1.11 | 2.32 | .93 | 2.89 |
| 1 | 1.24 | .43 | 1.81 | .47 | 1.33 | .16 | .27 | .15 | .54 | .49 | .25 | 2.58 | 2.75 |
| 1 | 2.24 | 2.10 | 3.26 | 7.29 | 3.11 | .23 | .46 | .13 | .57 | 1.34 | .21 | .65 | 7.29 |
| 4 | 1.7 | .19 | 2.57 | 1.76 | .2 | .30 | .64 | .34 | 1.01 | 1.30 | .39 | 2.57 | 2.56 |
| 4 | | | | | | | | | | | | | |
| 4 | .31 | 3.44 | .64 | .29 | 1.04 | .65 | .80 | .27 | .29 | .53 | .67 | 1.46 | 3.48 |
| 4 | 1.73 | .46 | .19 | .63 | .22 | .16 | .39 | .11 | .25 | .78 | 3.93 | .33 | 3.93 |
| 1 | 1.76 | 1.12 | .57 | .95 | .21 | .4 | .15 | .30 | 1.26 | .43 | .57 | 1.92 | 1.92 |
| 1 | .44 | .89 | 1.37 | 4.46 | .66 | .16 | .59 | .42 | .22 | .53 | .38 | .64 | 4.44 |
| 1 | .18 | .18 | .15 | .15 | .63 | .19 | .65 | .60 | .21 | .30 | 1.56 | 1.29 | 1.56 |
| 1 | .87 | .47 | .51 | .67 | 3.62 | .61 | .32 | .18 | .69 | .57 | 1.19 | .21 | 3.62 |
| 1 | .21 | 1.38 | 1.29 | .34 | .7 | .39 | .40 | .14 | .10 | .34 | 3.84 | .17 | 3.4 |
| 6 | .47 | 2.49 | 1.51 | 2.35 | .13 | .17 | .22 | .16 | | .56 | .25 | .17 | |
| 7 | .07 | 1.44 | .61 | 1.00 | 2.03 | .33 | .32 | .32 | .27 | .23 | .43 | .54 | 2.3 |
| 7 | .40 | | .47 | .90 | 1.81 | | .15 | .33 | .24 | 5.32 | 1.85 | 1.21 | |
| 7 | 1.53 | 2.17 | 1.43 | .31 | .42 | .30 | .19 | .46 | .29 | .46 | 1.2 | 3.62 | 3.62 |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

EXTREME VALUES

| | |
|--------------|------------------------|
| <u>12 19</u> | <u>MANLOVE BAY, MI</u> |
| STATION | STATION NAME |

45-46, 52-55, 57-65, 68-82
YEARS

24 HOUR AMOUNT IN INCHES

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME: KAYOHEE CAY, HI YEARS: 45-46, 52-55, 57-65, 68-82

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|------------|------------|------|-----------|----------|-----------|-----------|------------|------------|------|------------|------|----------------|
| 45 | | | | | | | | | | | .55
71 | | PRECIP
DAYS |
| 46 | | | | | .3
70 | | | 1.40
92 | | | | | PRECIP
DAYS |
| 47 | | | | 1.2
92 | | | | | | | | | PRECIP
DAYS |
| 48 | 2.04
90 | | | | | | | | | | | | PRECIP
DAYS |
| 49 | | 3.47
97 | | .27
91 | | | | | | | | | PRECIP
DAYS |
| 50 | | | | | | | .16
99 | | | | 7.43
99 | | PRECIP
DAYS |
| 51 | | | | | | | | | .29
91 | | | | PRECIP
DAYS |
| 52 | 1.03
99 | | | | | | | | | | | | PRECIP
DAYS |
| 53 | | | | | .3
99 | | | | | | | | PRECIP
DAYS |
| 54 | | | | | | | | | 1.97
99 | | | | PRECIP
DAYS |
| 55 | | .43
97 | | | | .71
99 | | | | | | | PRECIP
DAYS |
| 56 | | | | | | | | | | | | | |
| 57 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

EXTREME VALUES

| <u>STATION</u> | <u>STATION NAME</u> |
|----------------|---------------------|
| 42419 | PAITORE BAY, HI |

45-47, 52-55, 57-65, 68-82
YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

EXTREME VALUES

| STATION | STATION NAME | YEARS |
|---------|------------------|---------------------------|
| 10117 | MAHONGUE BAY, NY | 45-4, 52-55, 57-65, 68-82 |

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION

WATKINS GAP, NC

45-46, 52-55, 57-65, 68-82

YEARS

24 HOUR AMOUNT IN INCHES
BASED ON LESS THAN FULL MONTHS

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|------|------|------|------|-----|------|------|------|------|------|------|------|------------------|
| 41 | | | | | 0 | | | 0 | | | | | SNOWFALL
DAYS |
| 42 | | | | 27 | | | | | 0 | | | | SNOWFALL
DAYS |
| 43 | 0 | | | | | | | | | | | | SNOWFALL
DAYS |
| 44 | | 0 | | 0 | | | | | | | | | SNOWFALL
DAYS |
| 45 | | | | | | | | 1 | | | | 0 | SNOWFALL
DAYS |
| 46 | | | | | | | | | | | | | SNOWFALL
DAYS |
| 47 | | 0 | | | | | | | 0 | | | | SNOWFALL
DAYS |
| 48 | | | | | | | | | | 15 | | | SNOWFALL
DAYS |
| 49 | | 17 | 15 | 14 | 14 | | | | | | | | SNOWFALL
DAYS |
| 50 | 0 | | | | | | | | | | | | SNOWFALL
DAYS |
| 51 | | | | | 14 | | | | | | | | SNOWFALL
DAYS |
| 52 | | | | | | | | | 0 | | | | SNOWFALL
DAYS |
| 53 | | 0 | | | | 0 | | | | | | | SNOWFALL
DAYS |
| 54 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | |
| 57 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO DEPTH
(FROM DAILY OBSERVATIONS)

STATION 1210 STATION NAME SALEM, N.Y. YEARS 41-46, 48-49, 52-55, 57-65, 66-82

DAILY SNO-DEPTH IN INCHES

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|------|------|------|------|-----|------|------|------|------|------|------|------|---------------|
| 41 | | | | | | | | | | | | | |
| 42 | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | |
| 57 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

EXTREME VALUES

219
STATION

PAULINE RAY, HI
STATION NAME

41-46, 48-49, 52-55, 57-65, 68-82
YEARS

CATTLE SNOW DEPTH IN INCHES

[illegible]**SMOS**

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO DEPTH
(FROM DAILY OBSERVATIONS)

17719 STATION NAME: KATECHE RAY, HT YEARS: 47-48, 48-49, 52-55, 57-65, 68-82

DAILY SNO DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

| MONTH
YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL
MONTHS |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|
| 4 | | | | | 1 | 0 | 0 | | 0 | 0 | 0 | 0 | SNO DEPTH
DAYS |
| 4 | | | | | 0 | 0 | 0 | 0 | 1 | | 0 | 0 | SNO DEPTH
DAYS |
| 4 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | SNO DEPTH
DAYS |
| 4 | | 1 | 0 | | 0 | 0 | 0 | | 0 | 0 | | 0 | SNO DEPTH
DAYS |
| | | | | | | | | | | | | | SNO DEPTH
DAYS |
| | | | | | | | | | | | | 0 | SNO DEPTH
DAYS |
| | | | | | | | | | | | | | SNO DEPTH
DAYS |
| 5 | | | | | | | | | | | | | SNO DEPTH
DAYS |
| 5 | | | | | | | | | | | | | SNO DEPTH
DAYS |
| 5 | | | | | | | | | | 1 | | | SNO DEPTH
DAYS |
| 5 | | 1 | 1 | 14 | 14 | | | | 0 | | | | SNO DEPTH
DAYS |
| 5 | | | | | | | | | | | | | SNO DEPTH
DAYS |
| 6 | | | | | 1 | | | | | | | | SNO DEPTH
DAYS |
| 6 | | | | | | | | | 20 | | | | SNO DEPTH
DAYS |
| 7 | | | | | | 0 | | | | | | | SNO DEPTH
DAYS |
| | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION 14501 KALDOPE RAY, MT
STATION NAME

1 46-1949 1953-1955 9999-9999
YEARS

JANUARY
MONTH

FEBRUARY
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|-----|-------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.5 | 73 | 1951 | | | |
| 2 | 0.7 | 60 | 1969 | | | |
| 3 | 2.04 | 75 | 1969 | | | |
| 4 | 1.12 | 29 | 1969 | | | |
| 5 | 1.22 | 31 | 1971 | | | |
| 6 | 1.07 | 35 | 1982 | | | |
| 7 | 0.94 | 128 | 1963 | | | |
| 8 | 0.87 | 150 | 1980 | | | |
| 9 | 0.76 | 19 | 1970 | | | |
| 10 | 4.02 | 122 | 1990 | | | |
| 11 | 3.03 | 78 | 1979 | | | |
| 12 | 1.21 | 32 | 1975 | | | |
| 13 | 1.24 | 32 | 1971 | | | |
| 14 | 0.61 | 23 | 1960 | | | |
| 15 | 0.64 | 71 | 1953a | | | |
| 16 | 0.62 | 166 | 1949 | | | |
| 17 | 2.40 | 61 | 1953a | | | |
| 18 | 0.5 | 15 | 1949 | | | |
| 19 | 1.02 | 39 | 1982 | | | |
| 20 | 0.10 | 80 | 1982 | | | |
| 21 | 3.50 | 90 | 1982 | | | |
| 22 | 0.40 | 11 | 1983 | | | |
| 23 | 0.44 | 214 | 1975 | | | |
| 24 | 0.1 | 5 | 1968 | | | |
| 25 | 0.02 | 46 | 1946 | | | |
| 26 | 1.02 | 44 | 1975 | | | |
| 27 | 2.47 | 63 | 1948 | | | |
| 28 | 1.24 | 31 | 1967 | | | |
| 29 | 0.40 | 10 | 1947 | | | |
| 30 | 0.31 | 74 | 1969 | | | |
| 31 | 0.3 | 56 | 1946 | | | |
| Monthly | 0.84 | 214 | 1972 | | | |

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 3.88 | 99 | 1969 | | | |
| 2 | 0.40 | 10 | 1946 | | | |
| 3 | 1.03 | 39 | 1979 | | | |
| 4 | 0.57 | 14 | 1975 | | | |
| 5 | 0.75 | 20 | 1948 | | | |
| 6 | 2.03 | 62 | 1976 | | | |
| 7 | 3.15 | 87 | 1955 | | | |
| 8 | 3.47 | 88 | 1949 | | | |
| 9 | 0.46 | 12 | 1970 | | | |
| 10 | 1.01 | 32 | 1979 | | | |
| 11 | 1.04 | 39 | 1977 | | | |
| 12 | 0.00 | 23 | 1955 | | | |
| 13 | 0.40 | 10 | 1963 | | | |
| 14 | 0.34 | 9 | 1961 | | | |
| 15 | 0.61 | 13 | 1960 | | | |
| 16 | 0.83 | 24 | 1962 | | | |
| 17 | 0.43 | 11 | 1955 | | | |
| 18 | 0.55 | 14 | 1970 | | | |
| 19 | 2.17 | 55 | 1979 | | | |
| 20 | 1.49 | 38 | 1979 | | | |
| 21 | 0.09 | 25 | 1970 | | | |
| 22 | 2.60 | 68 | 1955 | | | |
| 23 | 3.70 | 94 | 1955 | | | |
| 24 | 2.01 | 61 | 1955 | | | |
| 25 | 1.68 | 43 | 1948 | | | |
| 26 | 0.35 | 10 | 1954 | | | |
| 27 | 1.40 | 37 | 1987 | | | |
| 28 | 2.31 | 59 | 1958 | | | |
| 29 | 0.12 | 3 | 1964 | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| Monthly | 3.08 | 99 | 1969 | | | |

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

2511 ZANEHAY, HT 1946-1949 1953-1955 9999-9999
STATION STATION NAME YEARS

MARCH
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|-----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.1 | 3 | 1963 | | | |
| 2 | 0.1 | 13 | 1972 | | | |
| 3 | 1.0 | 35 | 1972 | | | |
| 4 | 1.0 | 39 | 1976 | | | |
| 5 | 11.0 | 295 | 1958 | | | |
| 6 | 0.1 | 55 | 1958 | | | |
| 7 | 0.7 | 16 | 1967 | | | |
| 8 | 1.2 | 31 | 1967 | | | |
| 9 | 0.3 | 33 | 1976 | | | |
| 10 | 0.2 | 40 | 1953 | | | |
| 11 | 0.5 | 50 | 1963 | | | |
| 12 | 0.4 | 100 | 1982 | | | |
| 13 | 0.7 | 45 | 1967 | | | |
| 14 | 0.1 | 46 | 1967 | | | |
| 15 | 0.5 | 13 | 1969 | | | |
| 16 | 0.7 | 15 | 1980 | | | |
| 17 | 1.2 | 39 | 1954 | | | |
| 18 | 1.4 | 38 | 1979 | | | |
| 19 | 0.99 | 25 | 1980 | | | |
| 20 | 0.5 | 14 | 1971 | | | |
| 21 | 0.7 | 31 | 1961 | | | |
| 22 | 0.28 | 108 | 1955 | | | |
| 23 | 0.4 | 12 | 1964 | | | |
| 24 | 0.9 | 25 | 1964 | | | |
| 25 | 0.74 | 19 | 1963 | | | |
| 26 | 0.08 | 52 | 1967 | | | |
| 27 | 0.1 | 10 | 1982 | | | |
| 28 | 1.7 | 33 | 1975 | | | |
| 29 | 1.34 | 34 | 1947 | | | |
| 30 | 0.70 | 94 | 1947 | | | |
| 31 | 0.73 | 16 | 1969 | | | |
| Monthly | 11.0 | 295 | 1958 | | | |

APRIL
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|-----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.42 | 11 | 1948 | | | |
| 2 | 2.6 | 68 | 1963 | | | |
| 3 | 2.34 | 59 | 1963 | | | |
| 4 | 0.76 | 19 | 1977 | | | |
| 5 | 0.68 | 25 | 1963 | | | |
| 6 | 1.61 | 41 | 1945 | | | |
| 7 | 0.99 | 25 | 1946 | | | |
| 8 | 1.11 | 28 | 1945 | | | |
| 9 | 0.36 | 9 | 1962 | | | |
| 10 | 1.23 | 30 | 1947 | | | |
| 11 | 0.35 | 9 | 1974 | | | |
| 12 | 0.32 | 8 | 1963 | | | |
| 13 | 3.89 | 99 | 1963 | | | |
| 14 | 6.8 | 154 | 1981 | | | |
| 15 | 7.29 | 185 | 1963 | | | |
| 16 | 4.18 | 106 | 1945 | | | |
| 17 | 2.35 | 60 | 1976 | | | |
| 18 | 0.67 | 17 | 1977 | | | |
| 19 | 0.60 | 15 | 1974 | | | |
| 20 | 0.90 | 23 | 1970 | | | |
| 21 | 1.76 | 45 | 1964 | | | |
| 22 | 0.37 | 9 | 1976 | | | |
| 23 | 0.63 | 21 | 1945 | | | |
| 24 | 2.31 | 59 | 1945 | | | |
| 25 | 0.74 | 19 | 1958 | | | |
| 26 | 0.43 | 11 | 1963 | | | |
| 27 | 0.35 | 9 | 1982 | | | |
| 28 | 0.43 | 12 | 1981 | | | |
| 29 | 1.47 | 37 | 1954 | | | |
| 30 | 1.18 | 30 | 1961 | | | |
| 31 | | | | | | |
| Monthly | 7.29 | 185 | 1963 | | | |

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1951-1950 MAY, PT

1 45-1949 1953-1955 9999-9999

STATION

STATION NAME

YEARS

1951

MONTH

JUNE

MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.0 | 43 | 1945 | | | |
| 2 | 1.0 | 27 | 1959 | | | |
| 3 | 0.2 | 13 | 1962 | | | |
| 4 | 0.4 | 12 | 1963 | | | |
| 5 | 1.3 | 34 | 1962 | | | |
| 6 | 1.1 | 28 | 1981 | | | |
| 7 | 1.2 | 31 | 1981 | | | |
| 8 | 0.2 | 6 | 1981 | | | |
| 9 | 0.0 | 7 | 1977 | | | |
| 10 | 0.32 | | 1979 | | | |
| 11 | 0.6 | 17 | 1972 | | | |
| 12 | 0.3 | 52 | 1977 | | | |
| 13 | 0.0 | 20 | 1960 | | | |
| 14 | 0.1 | 24 | 1963 | | | |
| 15 | 0.0 | 22 | 1974 | | | |
| 16 | 0.2 | 6 | 1968 | | | |
| 17 | 0.1 | 4 | 1978 | | | |
| 18 | 0.0 | 12 | 1978 | | | |
| 19 | 0.1 | 5 | 1947 | | | |
| 20 | 0.2 | 7 | 1946 | | | |
| 21 | 0.0 | 2 | 1978 | | | |
| 22 | 0.1 | 3 | 1978 | | | |
| 23 | 1.1 | 46 | 1973 | | | |
| 24 | 0.1 | 4 | 1977 | | | |
| 25 | 0.0 | 21 | 1957 | | | |
| 26 | 0.7 | 11 | 1970 | | | |
| 27 | 0.6 | 17 | 1955 | | | |
| 28 | 0.2 | 6 | 1980 | | | |
| 29 | 0.0 | 6 | 1963 | | | |
| 30 | 1.0 | 4 | 1980 | | | |
| 31 | 0.0 | 52 | 1980 | | | |
| Monthly | 2.0 | 52 | 1974 | | | |

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.58 | 15 | 1980 | | | |
| 2 | 0.09 | 25 | 1946 | | | |
| 3 | 0.16 | 4 | 1972 | | | |
| 4 | 0.24 | 6 | 1946 | | | |
| 5 | 0.33 | 8 | 1977 | | | |
| 6 | 0.40 | 12 | 1982 | | | |
| 7 | 0.19 | 5 | 1961 | | | |
| 8 | 0.20 | 7 | 1961 | | | |
| 9 | 0.23 | 6 | 1946 | | | |
| 10 | 0.65 | 17 | 1969 | | | |
| 11 | 0.31 | 8 | 1953 | | | |
| 12 | 0.11 | 3 | 1980 | | | |
| 13 | 0.30 | 7 | 1970 | | | |
| 14 | 0.43 | 11 | 1960 | | | |
| 15 | 0.04 | 21 | 1971 | | | |
| 16 | 0.40 | 12 | 1971 | | | |
| 17 | 2.41 | 66 | 1982 | | | |
| 18 | 0.10 | 5 | 1970 | | | |
| 19 | 0.10 | 5 | 1977 | | | |
| 20 | 1.1 | 33 | 1947 | | | |
| 21 | 0.1 | 13 | 1970 | | | |
| 22 | 0.03 | 11 | 1946 | | | |
| 23 | 0.21 | 5 | 1974 | | | |
| 24 | 0.16 | 4 | 1971 | | | |
| 25 | 0.32 | 8 | 1960 | | | |
| 26 | 0.30 | 10 | 1968 | | | |
| 27 | 0.04 | 11 | 1960 | | | |
| 28 | 0.30 | 7 | 1960 | | | |
| 29 | 0.40 | 12 | 1948 | | | |
| 30 | 0.30 | 9 | 1958 | | | |
| 31 | | | | | | |
| Monthly | 2.1 | 66 | 1982 | | | |

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME

1 45-1949 1952-1955 1999-9999

STATION

STATION NAME

YEARS

JULY
MONTH

AUGUST
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.7 | 18 | 1961 | | | |
| 2 | 0.4 | 12 | 1959 | | | |
| 3 | 0.7 | 18 | 1947 | | | |
| 4 | 0.34 | 9 | 1954 | | | |
| 5 | 0.7 | 18 | 1959 | | | |
| 6 | 0.1 | 4 | 1979 | | | |
| 7 | 0.45 | 17 | 1980 | | | |
| 8 | 0.5 | 13 | 1946 | | | |
| 9 | 0.5 | 17 | 1973 | | | |
| 10 | 0.8 | 23 | 1954 | | | |
| 11 | 0.5 | 14 | 1964 | | | |
| 12 | 0.2 | 7 | 1958 | | | |
| 13 | 0.4 | 11 | 1945 | | | |
| 14 | 0.4 | 12 | 1963 | | | |
| 15 | 0.5 | 9 | 1947 | | | |
| 16 | 0.7 | 19 | 1962 | | | |
| 17 | 0.4 | 12 | 1941 | | | |
| 18 | 0.40 | 10 | 1975 | | | |
| 19 | 0.2 | 6 | 1940 | | | |
| 20 | 0.10 | 3 | 1969 | | | |
| 21 | 0.7 | 18 | 1964 | | | |
| 22 | 0.7 | 18 | 1982 | | | |
| 23 | 0.4 | 16 | 1962 | | | |
| 24 | 0.5 | 9 | 1982 | | | |
| 25 | 0.4 | 16 | 1964 | | | |
| 26 | 0.6 | 20 | 1969 | | | |
| 27 | 0.7 | 18 | 1980 | | | |
| 28 | 0.50 | 25 | 1954 | | | |
| 29 | 0.7 | 27 | 1980 | | | |
| 30 | 0.37 | 9 | 1954 | | | |
| 31 | 0.1 | 4 | 1961 | | | |
| Monthly | 0.7 | 27 | 1980 | | | |

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.30 | 8 | 1971 | | | |
| 2 | 0.69 | 18 | 1959 | | | |
| 3 | 0.43 | 11 | 1963 | | | |
| 4 | 1.25 | 33 | 1981 | | | |
| 5 | 0.10 | 3 | 1940 | | | |
| 6 | 0.5 | 13 | 1959 | | | |
| 7 | 0.40 | 10 | 1959 | | | |
| 8 | 1.24 | 49 | 1959 | | | |
| 9 | 0.24 | 7 | 1959 | | | |
| 10 | 0.34 | 9 | 1959 | | | |
| 11 | 0.43 | 11 | 1981 | | | |
| 12 | 0.25 | 7 | 1977 | | | |
| 13 | 0.30 | 8 | 1971 | | | |
| 14 | 0.41 | 11 | 1959 | | | |
| 15 | 0.25 | 6 | 1982 | | | |
| 16 | 0.90 | 23 | 1982 | | | |
| 17 | 0.35 | 9 | 1959 | | | |
| 18 | 0.32 | 8 | 1955 | | | |
| 19 | 0.10 | 3 | 1961 | | | |
| 20 | 0.27 | 7 | 1964 | | | |
| 21 | 0.30 | 8 | 1978 | | | |
| 22 | 0.09 | 2 | 1982 | | | |
| 23 | 0.63 | 16 | 1954 | | | |
| 24 | 1.10 | 28 | 1945 | | | |
| 25 | 0.45 | 12 | 1980 | | | |
| 26 | 0.43 | 12 | 1979 | | | |
| 27 | 1.00 | 41 | 1946 | | | |
| 28 | 1.20 | 30 | 1946 | | | |
| 29 | 0.33 | 8 | 1979 | | | |
| 30 | 0.27 | 7 | 1955 | | | |
| 31 | 0.10 | 3 | 1952 | | | |
| Monthly | 0.7 | 71 | 1959 | | | |

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

ASHEVILLE, NC

STATION NAME

1 45-1949 1952-1955 9999-9999

YEARS

SEPTEMBER
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|------|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | .2 | 5.1 | 1968 | | | |
| 2 | .2 | 5.1 | 1974 | | | |
| 3 | .2 | 5.1 | 1947 | | | |
| 4 | .2 | 5.1 | 1947 | | | |
| 5 | .2 | 5.1 | 1959 | | | |
| 6 | .2 | 5.1 | 1947 | | | |
| 7 | 1.2 | 30.5 | 1982 | | | |
| 8 | .2 | 5.1 | 1954 | | | |
| 9 | .2 | 5.1 | 1974 | | | |
| 10 | .2 | 5.1 | 1947 | | | |
| 11 | .2 | 5.1 | 1947 | | | |
| 12 | .2 | 5.1 | 1978 | | | |
| 13 | .2 | 5.1 | 1907 | | | |
| 14 | .2 | 5.1 | 1946 | | | |
| 15 | .2 | 5.1 | 1980 | | | |
| 16 | .2 | 5.1 | 1952 | | | |
| 17 | .2 | 5.1 | 1967 | | | |
| 18 | .2 | 5.1 | 1981 | | | |
| 19 | .2 | 5.1 | 1958 | | | |
| 20 | .2 | 5.1 | 1969 | | | |
| 21 | .2 | 5.1 | 1960 | | | |
| 22 | .2 | 5.1 | 1964 | | | |
| 23 | .2 | 5.1 | 1947 | | | |
| 24 | .2 | 5.1 | 1971 | | | |
| 25 | .2 | 5.1 | 1961 | | | |
| 26 | .2 | 5.1 | 1956 | | | |
| 27 | .2 | 5.1 | 1976 | | | |
| 28 | .2 | 5.1 | 1968 | | | |
| 29 | .2 | 5.1 | 1965 | | | |
| 30 | .2 | 5.1 | 1976 | | | |
| 31 | .2 | 5.1 | | | | |
| Monthly | .2 | 5.1 | 1968 | | | |

OCTOBER
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|-------|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 1.27 | 32.3 | 1968 | | | |
| 2 | 0.34 | 8.6 | 1970 | | | |
| 3 | 0.40 | 10.2 | 1970 | | | |
| 4 | 1.34 | 34.0 | 1963 | | | |
| 5 | 0.73 | 18.5 | 1952 | | | |
| 6 | 0.22 | 5.6 | 1975 | | | |
| 7 | 0.34 | 8.6 | 1975 | | | |
| 8 | 1.02 | 26.0 | 1946 | | | |
| 9 | 0.30 | 7.6 | 1946 | | | |
| 10 | 0.28 | 7.1 | 1954 | | | |
| 11 | 0.23 | 5.8 | 1969 | | | |
| 12 | 1.01 | 25.6 | 1961 | | | |
| 13 | 0.36 | 9.1 | 1973 | | | |
| 14 | 0.20 | 5.1 | 1973 | | | |
| 15 | 0.21 | 5.3 | 1961 | | | |
| 16 | 0.20 | 5.1 | 1952 | | | |
| 17 | 1.20 | 30.5 | 1964 | | | |
| 18 | 0.47 | 11.9 | 1960 | | | |
| 19 | 1.07 | 27.2 | 1960 | | | |
| 20 | 0.21 | 5.3 | 1960 | | | |
| 21 | 0.28 | 7.1 | 1969 | | | |
| 22 | 0.42 | 10.7 | 1968 | | | |
| 23 | 0.15 | 3.8 | 1963 | | | |
| 24 | 0.16 | 4.1 | 1980 | | | |
| 25 | 0.26 | 6.6 | 1947 | | | |
| 26 | 0.25 | 6.4 | 1942 | | | |
| 27 | 1.75 | 44.3 | 1952 | | | |
| 28 | 0.71 | 18.0 | 1942 | | | |
| 29 | 0.21 | 5.3 | 1982 | | | |
| 30 | 5.32 | 135.1 | 1978 | | | |
| 31 | 2.65 | 67.3 | 1978 | | | |
| Monthly | 5.32 | 135.1 | 1978 | | | |

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

12515 CALEDONIA RAY, MT
STATION STATION NAME

1945-1949 1952-1955 9999-9999
YEARS

NOVEMBER
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|-----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 0.3 | 5 | 1961 | | | |
| 2 | 1.0 | 47 | 1978 | | | |
| 3 | 0.1 | 15 | 1978 | | | |
| 4 | 0.73 | 18 | 1981 | | | |
| 5 | 0.7 | 54 | 1977 | | | |
| 6 | 0.7 | 17 | 1972 | | | |
| 7 | 1.04 | 37 | 1948 | | | |
| 8 | 1.17 | 37 | 1950 | | | |
| 9 | 0.2 | 6 | 1978 | | | |
| 10 | 0.6 | 68 | 1947 | | | |
| 11 | 0.2 | 26 | 1979 | | | |
| 12 | 0.32 | 8 | 1989 | | | |
| 13 | 0.7 | 46 | 1946 | | | |
| 14 | 0.2 | 30 | 1983 | | | |
| 15 | 1.2 | 31 | 1946 | | | |
| 16 | 0.4 | 12 | 1981 | | | |
| 17 | 0.1 | 30 | 1974 | | | |
| 18 | 0.3 | 7 | 1961 | | | |
| 19 | 1.3 | 34 | 1952 | | | |
| 20 | 0.43 | 57 | 1952 | | | |
| 21 | 1.0 | 33 | 1957 | | | |
| 22 | 1.11 | 28 | 1957 | | | |
| 23 | 0.2 | 83 | 1957 | | | |
| 24 | 1.0 | 46 | 1975 | | | |
| 25 | 3.04 | 28 | 1975 | | | |
| 26 | 0.62 | 17 | 1970 | | | |
| 27 | 0.6 | 24 | 1975 | | | |
| 28 | 0.1 | 231 | 1954 | | | |
| 29 | 0.57 | 141 | 1954 | | | |
| 30 | 1.0 | 33 | 1968 | | | |
| 31 | | | | | | |
| Monthly | 0.1 | 231 | 1954 | | | |

DECEMBER
MONTH

| DAY | PRECIPITATION
GREATEST | | | SNOWFALL
GREATEST | | |
|---------|---------------------------|----|------|----------------------|----|------|
| | INCHES | MM | DATE | INCHES | MM | DATE |
| 1 | 1.72 | 34 | 1968 | | | |
| 2 | 0.47 | 12 | 1957 | | | |
| 3 | 0.69 | 18 | 1968 | | | |
| 4 | 1.98 | 50 | 1960 | | | |
| 5 | 1.04 | 26 | 1945 | | | |
| 6 | 1.56 | 47 | 1957 | | | |
| 7 | 1.62 | 41 | 1946 | | | |
| 8 | 1.70 | 43 | 1946 | | | |
| 9 | 2.35 | 60 | 1979 | | | |
| 10 | 2.02 | 64 | 1964 | | | |
| 11 | 0.58 | 15 | 1983 | | | |
| 12 | 0.64 | 16 | 1963 | | | |
| 13 | 0.44 | 11 | 1983 | | | |
| 14 | 1.96 | 50 | 1962 | | | |
| 15 | 0.43 | 11 | 1954 | | | |
| 16 | 1.33 | 34 | 1964 | | | |
| 17 | 2.05 | 52 | 1962 | | | |
| 18 | 0.64 | 16 | 1972 | | | |
| 19 | 2.31 | 59 | 1964 | | | |
| 20 | 1.53 | 49 | 1981 | | | |
| 21 | 1.46 | 37 | 1946 | | | |
| 22 | 0.34 | 9 | 1980 | | | |
| 23 | 1.00 | 25 | 1982 | | | |
| 24 | 0.84 | 21 | 1979 | | | |
| 25 | 1.35 | 47 | 1968 | | | |
| 26 | 0.46 | 17 | 1982 | | | |
| 27 | 1.45 | 37 | 1969 | | | |
| 28 | 0.88 | 22 | 1982 | | | |
| 29 | 0.66 | 17 | 1979 | | | |
| 30 | 3.62 | 92 | 1979 | | | |
| 31 | 0.45 | 11 | 1977 | | | |
| Monthly | 3.62 | 92 | 1979 | | | |

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NOCD, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION WATSON DAM, MT

45-46, 52-55, 57-65, 68-82

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|-----------|-----------|-------|-----------|-------|-------|--------|-------|-------|-----------|-------|-------|---------------|
| 45 | | | | SSW 30SE | 10E | 33E | 33E | 30NE | 30E | 38E | 35N | 4 | |
| 46 | | 29ENE 37E | 29E | 29NE 21E | 26E | 31E | 30E | 35E | 38NW | 38E | 43 | | 43 |
| 47 | NW 37ENE | 37E | 37E | 41ENE | 41ENE | 34ENE | 30E | 33E | 31E | 38E | 38E | 43 | |
| 48 | N 53E | 35E | 42E | 36E | 36E | 31E | 37E | 32E | 33 | | 40E | 42 | |
| 49 | NW 53SE | 36E | 36 | | | | | | | | | | |
| 50 | | 37E | 36E | 33E | 34 | | | 30ENE | 30ESE | 32ENE | 36ENE | 37E | 37 |
| 51 | SSW 61N | 2NNW | 51SSW | 52 | | | | 32ENE | 35 | | NW 51 | | |
| 52 | | 55E | 42 | 37E | 40ENE | 32 | ENE 39 | | | | | | |
| 53 | | | | | | | | | | ENE 28SSW | 43ESE | 41 | |
| 54 | NW 37SSW | 36SW | 30E | 33ENE | 29NE | 31E | 38ENE | 46ENE | 29 | | | | |
| 55 | | | | ENE 33ENE | 30E | 31SE | 43E | 29E | 26NE | 39ENE | 41 | | |
| 56 | ENE 44N | 39SSW | 33E | 29ENE | 31E | 29NE | 28E | 28E | 34ENE | 28E | 30ENE | 29 | ENE 41 |
| 57 | SE 36E | 36E | 37ENE | 36E | 30ENE | 36E | 40E | 37E | 30ENE | 36ENE | 39E | 37 | ENE 41 |
| 58 | SE 42NNW | 32SW | 34E | 28ENE | 29ENE | 27ENE | 28ENE | 26ENE | 27E | 34ENE | 31SW | 37 | SSW 43 |
| 59 | SE 73SW | 65NW | 41NE | 34NNE | 37ENE | 31ENE | 28ENE | 24E | 32NE | 26ENE | 26NW | 34 | SW 73 |
| 60 | NE 70E | 33NNE | 37ENE | 32ENE | 29NE | 32NE | 28ENE | 28ENE | 28NNE | 32NE | 35E | 54 | SE 54 |
| 61 | SE 82 | | | | | | | | | | | | |
| 62 | | 40NE | 35NE | 28NE | 33NE | 31NE | 25NE | 30NE | 27ENE | 25ENE | 25NE | 32NNW | 41 |
| 63 | SSW 83NNW | 35NE | 31NE | 28NE | 29NE | 28NE | 30NE | 25NE | 26NE | 30SW | 29NE | 35 | SSW 84 |
| 64 | 5505 | 3618 | 3905 | 3005 | 2504 | 2405 | 2805 | 2606 | 2604 | 2704 | 3206 | 35 | 55 |
| 65 | 11 2718 | 4517 | 3706 | 2402 | 2605 | 2809 | 2905 | 2706 | 3309 | 2509 | 3121 | 32 | 13 41 |
| 66 | 26 2203 | 2709 | 3208 | 3311 | 2509 | 3108 | 3109 | 2907 | 2709 | 2707 | 2927 | 32 | 16 73 |
| 67 | 24 4407 | 2624 | 4408 | 3210 | 2709 | 2508 | 2707 | 2814 | 2807 | 2754 | 2908 | 31 | 24 44 |
| 68 | 7 3304 | 2534 | 3007 | 3212 | 2909 | 2906 | 2506 | 2609 | 2811 | 2710 | 30 | | |
| 69 | | 20 47 | 10 31 | | | | | | | | | | |
| 70 | | 02 2507 | 3305 | 2708 | 2908 | 2707 | 29 | | 17 | 2704 | 3409 | 3224 | 33 |
| 71 | 27 3301 | 2526 | 2709 | 2911 | 2810 | 3108 | 2711 | 2509 | 2703 | 2585 | 2909 | 34 | 29 34 |
| 72 | 27 4021 | 4130 | 3309 | 2908 | 2708 | 2806 | 2709 | 2409 | 2609 | 2935 | 3026 | 37 | 21 41 |
| MEAN | | | | | | | | | | | | | |
| S. D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

WALTON GAY, HI

45-47, 52-55, 57-65, 68-82

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 1 | 27.6 | 35.3 | 38.9 | 39.0 | 30.8 | 28.0 | 28.0 | 28.0 | 25.0 | 27.0 | 34.0 | 28.3 | 23.6 |
| 2 | 27.3 | 22.5 | 20.9 | 20.0 | 23.0 | 27.0 | 29.0 | 28.0 | 26.7 | 27.0 | 37.0 | 35.2 | 37.0 |
| 3 | 24.4 | 24.5 | 27.0 | 20.0 | 24.0 | 27.0 | 24.0 | 27.0 | 35.0 | 32.0 | 30.2 | 30.5 | 27.0 |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | |
| MEAN | 31.4 | 37.9 | 34.4 | 31.8 | 28.8 | 29.0 | 29.7 | 29.4 | 29.1 | 30.2 | 34.0 | 37.0 | 31.5 |
| S D | 14.573 | 9.625 | 5.598 | 5.297 | 4.472 | 3.113 | 3.837 | 5.568 | 3.147 | 4.858 | 9.789 | 6.315 | 16.337 |
| TOTAL OBS | 767 | 754 | 768 | 768 | 733 | 716 | 859 | 832 | 630 | 802 | 835 | 832 | 9496 |

SMOS

EXTREME VALUES

| STATION | STATION NAME | YEARS |
|---------|----------------|----------------------------|
| 12-10 | LA ONE WAY, NY | 45-47, 52-55, 57-65, 69-82 |

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FA 041 JAY H7 STATION NAME 77-01 YEARS 16
 CLASS ALL WEATHER
 HOURS (L Y) 20
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | .3 | .3 | | | | | | | 1.1 | 2.3 |
| NNE | | | 1.3 | .3 | | | | | | | | 2.1 | 7.1 |
| NE | | 1.3 | 2.3 | | | | | | | | | 4.5 | 6.7 |
| ENE | 1.3 | 1.3 | 4.5 | 2.6 | 1.3 | | | | | | | 11.1 | 7.5 |
| E | 1.3 | 3.3 | 6.5 | 7.7 | 1.3 | | | | | | | 18.7 | 9.6 |
| ESE | | | | | .7 | | | | | | | 1.1 | 8.2 |
| SE | | | | .3 | | | | | | | | 1.3 | 5.3 |
| SSE | 1.3 | 1.3 | 1.3 | | | | | | | | | 3.7 | 4.5 |
| S | | 3.3 | 1.3 | 1.3 | | | | | | | | 3.8 | 6.0 |
| SSW | 1.3 | 1.3 | .3 | .6 | .3 | | | | | | | 7.4 | 4.6 |
| SW | 1.3 | .6 | 1.3 | .3 | | .7 | | | | | | 5.1 | 6.7 |
| WSW | 1.3 | 1.3 | 1.3 | .6 | .6 | | | .3 | | | | 7.1 | 9.5 |
| W | 1.3 | 1.3 | .7 | | .3 | .3 | | | | | | 3.8 | 7.5 |
| WNW | 1.3 | 1.3 | | | | | | | | | | 1.1 | 3.5 |
| NW | 1.3 | .7 | .3 | | | | | | | | | 1.1 | 8.5 |
| NNW | .7 | .3 | .7 | .3 | .7 | | | | | | | 1.6 | 7.0 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.1 | |
| | 21.2 | 22.0 | 21.3 | 14.2 | 4.2 | .7 | .3 | .3 | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAY, HI STATION NAME FAIRFAY YEAR 1950 MONTH JAN
CLASS ALL HOURS (L.S.T.) 75
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.0 | 0.7 | 0.6 | | | | | | | | 2.3 | 7.4 |
| NNE | | | 0.7 | 0.3 | | | | | | | | 3.2 | 7.5 |
| NE | | 1.0 | 1.0 | 1.6 | | | | | | | | 4.5 | 7.8 |
| ENE | 1.0 | 1.0 | 5.0 | 2.6 | | | | | | | | 11.6 | 8.2 |
| E | | 2.3 | 5.1 | 5.2 | 1.0 | | | | | | | 17.6 | 10.2 |
| ESE | | 0.7 | 1.6 | | | | | | | | | 2.4 | 6.5 |
| SE | | | 0.3 | | | | | | | | | 1.6 | 4.9 |
| SSE | | 1.0 | 0.7 | | | | | | | | | 3.2 | 3.4 |
| S | 3.0 | 2.0 | 1.0 | | | | | | | | | 7.9 | 4.2 |
| SSW | | 2.0 | 0.6 | 1.3 | 0.3 | | | | | | | 4.5 | 7.1 |
| SW | | 2.3 | 0.6 | 1.0 | | | | | | | | 4.1 | 6.6 |
| WSW | | | 0.3 | 0.6 | 0.3 | 0.6 | | | | | | 4.5 | 7.4 |
| W | | 1.0 | 0.6 | | | | | | | | | 4.8 | 4.8 |
| WNW | | 1.0 | | | | | | | | | | 2.3 | 7.7 |
| NW | | 1.0 | 1.0 | | | | | | | | | 3.3 | 6.1 |
| NNW | | | | | | | | | | | | 0.6 | 7.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 1.0 | 20.0 | 23.0 | 13.5 | 2.3 | 1.0 | 0.3 | | | | | 10.6 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 110

3
SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAUHOE BAY, HI STATION NAME NAUHOE BAY, HI YEAR 1980 MONTH JAN
CLASS ALL WEATHER HOURS (LST) 10
ORIGIN

| SPEED
(KNOTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|--------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 1.3 | 0.3 |
| NNE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 0.4 |
| NE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 7.3 |
| ENE | | 2.0 | 2.0 | 2.0 | 0.6 | | | | | | | 6.6 | 2.3 |
| E | | 1.0 | 1.0 | 5.6 | 1.0 | | | | | | | 17.7 | 9.7 |
| ESE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 11.3 |
| SE | | | | | | | | | | | | | |
| SSE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 9.6 |
| S | | 3.0 | 2.0 | 1.0 | 0.3 | | | | | | | 12.3 | 5.0 |
| SSW | | 2.0 | 1.0 | 0.3 | 0.3 | | | | | | | 3.7 | 4.0 |
| SW | 1.0 | 1.0 | 1.0 | | 0.7 | | | | | | | 5.5 | 6.2 |
| WSW | 0.3 | 1.0 | | 0.7 | 0.3 | | | | | | | 3.0 | 5.3 |
| W | 1.0 | | 1.0 | 0.6 | 0.6 | | | | | | | 5.2 | 7.7 |
| WNW | | 1.0 | 1.0 | | | | | | | | | 2.0 | 5.0 |
| NW | | | 0.7 | | | | | | | | | 1.0 | 5.5 |
| NNW | | | 0.7 | 0.3 | | | | | | | | 1.0 | 10.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.7 | 20.7 | 24.0 | 14.2 | 3.5 | | | | | | | 100.3 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1950 MONTH JAN
ALL CLASS ALL HOURS (LST) 11
 CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | 3.0 | 1.0 | | 1.3 | | | | | | | | 7.4 | 5.2 |
| NNE | | 2.0 | 1.3 | 1.0 | | | | | | | | 5.1 | 5.8 |
| NE | | 1.0 | 2.3 | .6 | | | | | | | | 5.5 | 7.1 |
| ENE | | | 2.2 | 4.5 | .6 | | | | | | | 10.0 | 10.3 |
| E | | 1.0 | 6.1 | 7.7 | 2.3 | | | | | | | 15.0 | 11.6 |
| ESE | 1.0 | 1.0 | 2.6 | 2.3 | .3 | | | | | | | 7.7 | 8.8 |
| SE | | | 1.0 | .3 | | | | | | | | 3.0 | 7.0 |
| SSE | | 1.0 | | .7 | | | | | | | | 4.5 | 4.3 |
| S | | 2.0 | 1.3 | .6 | .3 | | | | | | | 5.5 | 7.2 |
| SSW | | | 1.0 | 1.3 | 1.0 | | | | | | | 4.0 | 10.7 |
| SW | 1.0 | | .6 | 1.3 | .3 | .3 | | | | | | 4.5 | 8.9 |
| WSW | | | 1.0 | .6 | .3 | | | | | | | 2.0 | 9.2 |
| W | | | .6 | .6 | | | | | | | | 2.0 | 8.8 |
| WNW | | | .6 | | | | | | | | | .0 | 5.5 |
| NW | | 1.0 | | .7 | | | | | | | | 1.0 | 8.6 |
| NNW | 1.0 | | .7 | 1.6 | .3 | | | | | | | 3.5 | 8.1 |
| VARA | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1964-1965 JAN 1964
MONTHS 1965
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 4.0 | 2.3 | 1.6 | | .5 | | | | | | 10.3 | 5.0 |
| NNE | 1.0 | 2.0 | 4.0 | 1.3 | | | | | | | | 10.3 | 6.5 |
| NE | 1.0 | 2.0 | 1.6 | 1.0 | .7 | | | | | | | 7.1 | 7.2 |
| ENE | | 2.0 | 5.2 | 5.2 | .3 | | | | | | | 13.5 | 7.4 |
| E | | 1.0 | 4.5 | 7.4 | 1.0 | | | | | | | 15.5 | 11.1 |
| ESE | | 1.0 | 1.0 | 1.9 | | | | | | | | 6.4 | 10.5 |
| SE | | 1.0 | 1.0 | .6 | .7 | | | | | | | 4.5 | 7.8 |
| SSE | | 1.0 | .4 | .3 | | | | | | | | 2.9 | 6.3 |
| S | | 1.0 | 1.0 | 1.6 | | | | | | | | 4.2 | 8.1 |
| SSW | | 1.0 | 2.0 | .7 | | | | | | | | 3.7 | 10.2 |
| SW | | .4 | 1.0 | 1.6 | .3 | .6 | | | | | | 1.0 | 11.4 |
| WSW | | | 1.0 | 1.6 | 1.3 | .3 | | .7 | | | | 5.0 | 14.0 |
| W | | | .6 | .6 | .3 | | | | | | | 1.0 | 12.2 |
| WNW | | | | | | | | | | | | .7 | 4.5 |
| NW | 1.0 | | .7 | .3 | | | | | | | | 1.6 | 8.8 |
| NNW | .6 | | .7 | 1.9 | | | | | | | | 3.7 | 9.5 |
| YARL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.0 | 20.0 | 30.6 | 27.4 | 1.5 | 1.6 | | .7 | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 111

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1964 MONTH: 12

CLASS: ALL

CONDITION:

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.0 | 7.4 |
| NNE | 2.0 | 1.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 6.1 |
| NE | 1.0 | 3.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 5.7 |
| ENE | 0.0 | 1.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 5.0 |
| E | 0.0 | 1.0 | 2.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 10.0 |
| ESE | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 6.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 7.0 |
| SSW | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 6.0 |
| SW | 0.0 | 1.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 11.0 |
| WSW | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NNW | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 7.0 |
| VARBL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CALM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12.0 | 27.0 | 29.0 | 21.0 | 4.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEAR 1984 MONTH 12
CLASS ALL WEATHER HOURS 11 01
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.0 | 1.0 | | | | | | | | | 3.0 | 7.5 |
| NNE | | 1.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 7.2 |
| NE | 1.0 | 2.0 | 2.0 | 2.0 | | | | | | | | 4.0 | 6.0 |
| ENE | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | | | | | | | 5.0 | 5.0 |
| E | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | | | | | | | 5.0 | 5.0 |
| ESE | | 1.0 | 1.0 | 1.0 | | | | | | | | 2.0 | 7.0 |
| SE | | 1.0 | 1.0 | | | | | | | | | 1.0 | 5.0 |
| SSE | | 1.0 | 1.0 | | | | | | | | | 1.0 | 4.0 |
| S | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 5.0 |
| SSW | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 5.0 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 5.0 |
| WSW | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | | | | | | | 5.0 | 5.0 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 5.0 | 5.0 |
| WW | | 1.0 | 1.0 | 1.0 | | | | | | | | 2.0 | 4.0 |
| NW | | 1.0 | 1.0 | 1.0 | | | | | | | | 2.0 | 4.0 |
| NNW | | 1.0 | 1.0 | 1.0 | | | | | | | | 2.0 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.0 | |
| | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | | 10.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 111

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47 STATION NAME ASHEVILLE YEARS 1964-1965 MONTH 14
CLASS 2 HOURS (L E T) 2
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | 1.0 | | 3.0 | | | | | | | 4.3 | 11.3 |
| NNE | | | 2.0 | 1.0 | | | | | | | | 3.0 | 2.0 |
| NE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 4.3 |
| ENE | | | 1.0 | 2.0 | 3.0 | | | | | | | 6.0 | 10.2 |
| E | | 2.0 | 1.0 | 1.0 | 1.0 | | | | | | | 5.0 | 10.2 |
| ESE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 10.2 |
| SE | | | | 1.0 | | | | | | | | 1.0 | 5.5 |
| SSE | | | | 1.0 | | | | | | | | 1.0 | 5.5 |
| S | | | 1.0 | 1.0 | | | | | | | | 2.0 | 7.1 |
| SSW | | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | | | | | | 10.0 | 8.4 |
| SW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 6.0 | 5.7 |
| WSW | | | 1.0 | 1.0 | | | | | | | | 2.0 | 5.7 |
| W | | 1.0 | | | | | | | | | | 2.0 | 5.3 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 5.0 | 5.5 |
| NW | | 1.0 | | | | | | | | | | 2.0 | 5.1 |
| NNW | | | | | | | | | | | | 1.0 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 21.0 | 16.7 | 25.5 | 14.6 | 2.6 | 6.0 | | | | | | 70.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 1000 DAY, HI STATION NAME DAY, HI YEARS 1950-51 MONTH JAN

CLASS ALL WEATHER

CONDITION ALL

HOURS (L.S.T.) ALL

| SPEED (KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 7.0 | 7.5 |
| NNE | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | | 5.0 | 6.3 |
| NE | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | | | | | | | 4.0 | 5.7 |
| ENE | 1.0 | 2.0 | 4.0 | 1.0 | 1.0 | 1.0 | | | | | | 11.0 | 5.3 |
| E | 1.0 | 2.0 | 6.0 | 7.0 | 1.0 | | | | | | | 18.0 | 1.0 |
| ESE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 2.0 | 9.1 |
| SE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 2.0 | 4.6 |
| SSE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 2.0 | 4.6 |
| S | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | | | | | | | 7.0 | 6.2 |
| SSW | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 6.0 | 6.1 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 6.0 | 7.5 |
| WSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 7.0 | 6.0 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 7.0 | 7.5 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 1.0 | 6.0 |
| NW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 1.0 | 6.6 |
| NNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 2.0 | 6.6 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.0 | |
| | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1961-62 REF 100
 CLASS 100 HOURS (L.S.T.) 100
 CONDITION 100

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | 2 | 7 | | | | | | | | 1.0 | 10.6 |
| NNE | | 1.4 | 1.1 | 7 | | | | | | | | 3.2 | 6.7 |
| NE | | 2.5 | 2.1 | 1.5 | | | | | | | | 6.2 | 7.7 |
| ENE | | 1.4 | 6.2 | 5.3 | | | | | | | | 14.5 | 8.9 |
| E | | 2.1 | 2.4 | 6.7 | 1.1 | | | | | | | 15.9 | 10.2 |
| ESE | | 1.4 | 2.4 | 2.6 | | | | | | | | 7.1 | 9.6 |
| SE | | | | | | | | | | | | 4.4 | 7.0 |
| SSE | | | | | | | | | | | | 1.6 | 5.9 |
| S | | 2 | 2 | | 4 | | | | | | | 5.0 | 8.1 |
| SSW | | 1.4 | 2.1 | | 1.1 | | | | | | | 5.0 | 7.7 |
| SW | | 1.4 | | 7 | | | | | | | | 6.0 | 8.2 |
| WSW | | 1.4 | | 7 | | | | | | | | 5.0 | 5.1 |
| W | | | 1.1 | | | | | | | | | 2.1 | 7.4 |
| WNW | | | | | | | | | | | | 1.1 | 4.0 |
| NW | | | | | | | | | | | | 1.1 | 5.5 |
| NNW | | 1.4 | 2 | 7 | | | | | | | | 3.2 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 1.4 | 1.4 | 27.3 | 20.2 | 2.5 | 1.1 | | | | | | 10.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME NAVAL WEATHER SERVICE, NC YEARS 1960-62 TFR 02
STATION ASHEVILLE, NC NORTH 02
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.1 | | 1.4 | .4 | | | | | | | 3.0 | 10.1 |
| NNE | | | 1.1 | | | | | | | | | 2.3 | 7.9 |
| NE | 1.1 | 4.4 | 1.4 | 1.4 | | | | | | | | 4.2 | 8.2 |
| ENE | .1 | 3.2 | 5.3 | 3.9 | .4 | | | | | | | 13.9 | 6.7 |
| E | 1.1 | 2.1 | 8.5 | 5.7 | 1.1 | | | | | | | 20.6 | 8.5 |
| ESE | | 1.1 | 2.1 | .7 | | | | | | | | 3.9 | 6.6 |
| SE | | .4 | .7 | | .4 | | | | | | | 2.1 | 7.7 |
| SSE | | | .7 | | | | | | | | | 1.1 | 5.0 |
| S | | .7 | .1 | | .7 | | | | | | | 5.7 | 4.8 |
| SSW | 2.1 | 2.1 | .1 | .7 | | .4 | | | | | | 7.1 | 5.7 |
| SW | .2 | 1.4 | | .7 | .4 | | | | | | | 5.7 | 6.4 |
| WSW | .1 | 1.1 | .7 | | | | | | | | | 4.6 | 4.0 |
| W | .1 | 1.1 | .7 | .4 | | | | | | | | 3.2 | 5.0 |
| WNW | .1 | 2.5 | 1.1 | | | | | | | | | 4.6 | 4.7 |
| NW | | .4 | | | | | | | | | | .7 | 2.5 |
| NNW | | | .4 | | | | | | | | | .7 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 20.1 | 23.4 | 25.2 | 16.0 | 3.2 | .4 | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 112

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 W. MORE BAY, MT STATION NAME 71-62 YEARS 1958 FEB 1958
ALL WEATHER
CLAS
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.1 | 1.8 | .7 | | .4 | | | | | | 3.6 | 12.6 |
| NNE | | | | .4 | | | | | | | | 1.6 | 7.8 |
| NE | 1.1 | 1.1 | 4.3 | 1.4 | | | | | | | | 7.8 | 7.7 |
| ENE | 1.1 | 1.1 | .4 | 8.6 | .4 | | | | | | | 12.4 | 7.7 |
| E | 1.1 | 2.2 | .4 | 2.9 | .7 | | | | | | | 13.9 | 10.6 |
| ESE | 1.1 | 1.4 | 1.1 | 2.6 | | | | | | | | 7.4 | 8.4 |
| SE | | 1.1 | .4 | .4 | | | | | | | | 2.1 | 8.4 |
| SSE | 1.1 | 1.1 | | | | | | | | | | 2.8 | 3.8 |
| S | 2.2 | 1.1 | | 1.1 | | | | | | | | 4.6 | 5.1 |
| SSW | 1.1 | 1.1 | 1.1 | .4 | | | | | | | | 4.7 | 5.1 |
| SW | | 2.2 | | | | | | | | | | 5.7 | 5.6 |
| WSW | 1.1 | 1.4 | 1.1 | | .4 | | | | | | | 4.1 | 5.7 |
| W | | 1.4 | .4 | .7 | | | | | | | | 5.2 | 4.9 |
| WNW | .1 | 1.4 | | .4 | | | | | | | | 2.8 | 5.4 |
| NW | | | | | | | | | | | | 1.1 | 5.7 |
| NNW | | | 1.1 | | | | | | | | | 1.4 | 7.5 |
| YARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | 6.6 | 20.2 | 24.5 | 21.6 | 1.4 | .4 | | | | | | 170.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 762

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PA FOLE BAY, HI STATION NAME PA FOLE BAY, HI YEARS 1951-52 MONTH SEP

CLASS ALL WEATHER

CONDITION

DATE 11 HOUR (LST) 11

| SPEED
(KNTS)
DIRE. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|--------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 2.1 | 1.1 | 1.1 | .4 | 1.1 | | | | | | | 7.1 | 7.4 |
| NNE | 1.1 | 2.1 | 4.7 | .4 | .4 | | | | | | | 9.2 | 4.7 |
| NE | | .7 | 4.7 | 2.9 | | | | | | | | 8.1 | 1.1 |
| NNE | | 2.1 | 4.7 | 5.7 | .7 | | | | | | | 13.1 | 10.2 |
| E | 1.1 | 2.1 | .7 | 12.4 | 2.1 | | | | | | | 21.4 | 11.3 |
| ESE | | | .7 | 2.1 | .4 | | | | | | | 6.7 | 10.9 |
| SE | | 1.1 | | | | | | | | | | 1.1 | 2.1 |
| SSE | | 1.1 | | .4 | | | | | | | | 2.5 | 6.7 |
| S | 1.1 | .7 | 1.1 | .4 | | | | | | | | 3.2 | 6.7 |
| SSW | | | .7 | 1.1 | .7 | | | | | | | 3.2 | 11.4 |
| SW | | 1.1 | .7 | .4 | .4 | | | | | | | 2.5 | 1.1 |
| WSW | | | .7 | .4 | | | | | | | | 2.1 | 2.1 |
| W | | .7 | | | | | | | | | | 1.1 | 4.6 |
| WNW | | 1.1 | .4 | .4 | | | | | | | | 2.1 | 4.6 |
| NW | 1.1 | .7 | .4 | | | | | | | | | 2.1 | 3.9 |
| NNW | 2.1 | 1.1 | 1.1 | .4 | .4 | | | | | | | 5.7 | 5.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.5 | 1.5 | 30.1 | 27.0 | 6.0 | | | | | | | 10.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RALEIGH BAY, HI STATION NAME RALEIGH BAY, HI YEARS 73-82 FEEL 14
NORTH
ALL WEATHER CLASS
CONDITION

| SPEED
(KNOTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|--------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | 3.5 | 2.1 | | | | | | | | 3.6 | 7.9 |
| NNE | | | 3.5 | 1.6 | .4 | | | | | | | 4.9 | 6.2 |
| NE | | 2.1 | .4 | 2.1 | | | | | | | | 11.3 | 3.3 |
| NNE | | 1.4 | 5.7 | 7.8 | .7 | | | | | | | 17.0 | 10.6 |
| E | | 1.4 | 2.4 | 2.2 | 1.4 | | | | | | | 20.6 | 11.4 |
| ESE | | 1.4 | 5.7 | 3.2 | | | | | | | | 10.3 | 2.3 |
| SE | | 1.1 | 1.4 | | .4 | | | | | | | 3.2 | 6.7 |
| SSE | | | .7 | | | | | | | | | 1.1 | 7.0 |
| S | | | 1.1 | | | | | | | | | 1.2 | 11.6 |
| SSW | | | .4 | .7 | .4 | | | | | | | 2.1 | 10.7 |
| SW | | .7 | 1.1 | .7 | .4 | | .4 | | | | | 3.0 | 11.8 |
| WSW | | 1.1 | 1.1 | .4 | .4 | | | | | | | 2.2 | 5.5 |
| W | 1.1 | | | .4 | | | | | | | | 2.1 | 5.3 |
| WNW | | | .4 | .4 | | | | | | | | 1.1 | 2.0 |
| NW | | | | | | | | | | | | .7 | 2.0 |
| NNW | | | .7 | .7 | | | | | | | | 1.0 | 9.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 2.2 | 22.6 | 40.4 | 10.1 | 3.2 | | .4 | | | | | 10.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME KATCHEE BAY, VT YEARS 17-22 MONTHS FEB
CLASS ALL WEATHER HOUR (L.S.T.) 17
CONDITION _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 2.1 | 1.1 | 2.2 | | | | | | | | 7.1 | 8.5 |
| NNE | 1.1 | 2.1 | 2.1 | 1.1 | | | | | | | | 6.5 | 6.4 |
| NE | | 2.2 | 1.1 | 1.7 | | | | | | | | 11.3 | 7.7 |
| ENE | | 2.5 | 2.2 | 1.7 | 1.7 | | | | | | | 11.9 | 9.5 |
| E | | 2.1 | 2.5 | 2.1 | 1.1 | | | | | | | 11.1 | 12.6 |
| ESE | | 1.1 | 2.1 | 1.1 | | | | | | | | 5.7 | 8.9 |
| SE | | 1.1 | 1.1 | | | | | | | | | 1.1 | 5.4 |
| SSE | | 1.1 | 1.1 | 1.4 | | | | | | | | 2.1 | 6.2 |
| S | | | 1.1 | 1.4 | | | | | | | | 3.2 | 7.4 |
| SSW | | | 1.1 | 1.4 | | | 1.1 | | | | | 3.7 | 12.7 |
| SW | | 1.1 | 1.1 | 1.1 | | | | | | | | 2.5 | 1.1 |
| WSW | | 1.1 | 1.1 | 1.1 | | | | | | | | 2.5 | 1.6 |
| W | | | 1.1 | 1.4 | | | 1.1 | | | | | 1.1 | 12.2 |
| WNW | | 1.1 | 1.1 | | | | | | | | | 1.1 | 6.5 |
| NW | | 1.1 | 1.1 | 1.4 | | | | | | | | 1.1 | 1.3 |
| NNW | 1.1 | 1.1 | 2.1 | 1.7 | | | | | | | | 5.1 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.1 | |
| | 7.1 | 1.9 | 4.1 | 2.0 | 1.1 | | 1.1 | | | | | 1.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS 172

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAJORS HAY, NY STATION NAME 13-32 YEARS FEF
ALL FAIRLY MONTH 7
 CLASS FEF
 COORDINATE 7
 HOURS (L.S.T.) 7

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | 1.1 | | 1.1 | | | | | | | | 2.2 | 7.7 |
| NNE | | 1.1 | 2.2 | 1.1 | | | | | | | | 4.4 | 7.8 |
| NE | 1.1 | 3.3 | 3.5 | 2.5 | | | | | | | | 11.4 | 7.1 |
| NNE | 1.1 | 2.1 | 5.1 | 4.1 | | | | | | | | 12.4 | 9.1 |
| E | | 2.1 | 11.3 | 1.6 | 1.1 | | | | | | | 25.5 | 10.5 |
| ESE | | 1.1 | 1.0 | .4 | | | | | | | | 3.5 | 7.2 |
| SE | | 1.1 | .4 | .4 | | | | | | | | 2.5 | 6.3 |
| SSE | | | | | | | | | | | | .7 | 1.0 |
| S | 2.2 | 1.1 | .7 | .4 | | | | | | | | 4.4 | 4.9 |
| SSW | 1.1 | 2.1 | .7 | .4 | | .4 | | | | | | 4.4 | 6.2 |
| SW | 1.1 | 1.4 | .7 | .4 | | | | | | | | 3.5 | 6.2 |
| WSW | 1.1 | 1.1 | 1.1 | | .4 | | | | | | | 3.5 | 6.3 |
| W | 1.1 | 1.1 | .7 | .4 | | | | | | | | 3.2 | 5.6 |
| WNW | .1 | 2.1 | .4 | | | | | | | | | 3.5 | 4.2 |
| NW | .1 | .7 | .4 | .4 | | | | | | | | 1.6 | 2.1 |
| NNW | | .1 | 1.1 | | | | | | | | | 2.2 | 2.3 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.1 | |
| | 1.2 | 25.6 | 30.5 | 22.3 | 1.4 | .4 | | | | | | 10.4 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 242

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RAVENS CREEK, MT STATION NAME RAVENS CREEK YEARS 73-80 FEB 23
MONTH 23
HOURS (L & T) 23
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | .7 | | | | | | | | 2.1 | 3.7 |
| NNE | | 1.1 | 2.1 | .4 | | | | | | | | 5.0 | 7.0 |
| NE | | 2.1 | 4.1 | 1.4 | | | | | | | | 10.0 | 7.4 |
| ENE | | 2.1 | 6.7 | 3.9 | | | | | | | | 12.1 | 1.4 |
| E | | 1.1 | 12.1 | 1.3 | 1.4 | | | | | | | 25.2 | 10.6 |
| ESE | 1.1 | | .7 | .7 | | | | | | | | 3.0 | 7.3 |
| SE | | .7 | .7 | .4 | | | | | | | | 1.0 | 7.2 |
| SSE | | .4 | | .7 | | | | | | | | 1.0 | 2.0 |
| S | 2.1 | 1.1 | | | .4 | | | | | | | 4.6 | 5.3 |
| SSW | 1.1 | .7 | 1.1 | .7 | | | | | | | | 4.1 | 3.8 |
| SW | 1.1 | 2.1 | .4 | | .4 | | | | | | | 7.1 | 4.3 |
| WSW | 2.1 | .7 | 1.4 | .7 | .4 | | | | | | | 6.0 | 5.5 |
| W | 1.1 | 1.1 | .4 | | | | | | | | | 2.5 | 4.4 |
| WNW | | 2.1 | .7 | .7 | | | | | | | | 4.3 | 6.4 |
| NW | | | | | | | | | | | | .7 | 2.0 |
| NNW | | .4 | .4 | .4 | | | | | | | | 1.0 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.4 | |
| | 1.4 | 10.8 | 31.0 | 20.9 | 2.5 | | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS PAV, MT STATION NAME WATKINS PAV YEARS 1962 FEB NORTH

ALL WEATHER CLASS ALL MONTH (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | | 1.0 | 1.3 | 1.2 | .2 | | | | | | | 4.2 | 5.5 |
| NNE | | 1.0 | 2.0 | .8 | .1 | | | | | | | 5.0 | 7.3 |
| NE | 1.0 | 2.0 | 4.3 | 1.2 | | | | | | | | 7.5 | 7.5 |
| ENE | | 2.0 | 5.0 | 5.3 | .4 | | | | | | | 18.4 | 10.6 |
| E | | 2.3 | 6.6 | 9.3 | 1.2 | | | | | | | 20.0 | 10.6 |
| ESE | | 1.1 | 2.0 | 1.9 | | | | | | | | 6.0 | 9.1 |
| SE | | | .6 | .1 | .1 | | | | | | | 2.0 | 6.3 |
| SSE | | | .3 | .2 | | | | | | | | 1.6 | 5.8 |
| S | 2.2 | | .2 | .3 | .2 | | | | | | | 4.3 | 5.7 |
| SSW | 1.0 | 1.1 | .9 | .7 | .3 | .2 | | | | | | 6.7 | 7.0 |
| SW | 1.0 | 1.8 | .5 | .5 | .2 | | .7 | | | | | 4.0 | 5.9 |
| WSW | 1.0 | 1.0 | .8 | .4 | .2 | | | | | | | 3.0 | 6.2 |
| W | 1.2 | .7 | .8 | .3 | | .0 | .0 | | | | | 2.0 | 6.1 |
| WNW | .1 | 1.0 | .4 | .2 | | | | | | | | 2.7 | 5.6 |
| NW | .0 | .0 | .7 | .1 | | | | | | | | 1.2 | 5.1 |
| NNW | .2 | .4 | 1.0 | .6 | .0 | | | | | | | 2.0 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.0 | |
| | 1.0 | 22.0 | 31.2 | 23.3 | 2.0 | .3 | .1 | | | | | 10.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 2254

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FA FORT MAY, HI STATION NAME FA FORT MAY, HI YEARS 77-81 MONTH ALL
 CLASS ALL WEATHER
 HOURS (LST) 24
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 2.3 | 12.0 |
| NNE | | 1.3 | 1.3 | | | | | | | | | 2.3 | 2.0 |
| NE | 1.3 | 2.3 | 2.3 | 7.4 | | | | | | | | 7.7 | 6.3 |
| ENE | | 1.3 | 1.3 | 7.4 | 1.3 | | | | | | | 17.0 | 10.7 |
| E | 1.3 | 3.3 | 11.3 | 24.2 | 2.6 | 1.3 | | | | | | 35.5 | 11.0 |
| ESE | | | | 1.3 | | | | | | | | 4.0 | 3.7 |
| SE | | | | | | | | | | | | 0.0 | 7.0 |
| SSE | | | | | | | | | | | | 0.0 | 6.5 |
| S | | 1.3 | 1.3 | 1.3 | | | | | | | | 2.6 | 4.3 |
| SSW | | 1.3 | 1.3 | | | | | | | | | 2.6 | 5.0 |
| SW | 1.3 | 1.3 | | | 1.3 | | | | | | | 1.3 | 5.7 |
| WSW | | | 1.3 | | | | | | | | | 2.6 | 3.7 |
| W | | 1.3 | | | | | | | | | | 1.0 | 3.3 |
| WNW | | 1.3 | 1.3 | | | | | | | | | 1.3 | 5.3 |
| NW | | | 1.3 | 1.3 | | | | | | | | 1.3 | 7.3 |
| NNW | | | 1.3 | 1.3 | | | | | | | | 1.3 | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.1 | |
| | | 1.3 | 30.6 | 35.2 | 3.9 | 1.3 | | | | | | 10.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 113

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RAVINE HAY, HI STATION NAME RAVINE HAY YEARS 77-81 MONTH 4-6
ALL FAVORABLE
 CLASS ALL
 CONDITION ALL
 HOURS (LST) 24

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | .3 | | | | | | | | .3 | 10.5 |
| NNE | | | 1.3 | .3 | | | | | | | | 1.3 | 5.5 |
| NE | | 2.3 | 2 | 1.6 | | | | | | | | 4.9 | 7.2 |
| ENE | | 1 | 7.4 | 7.4 | 1 | | | | | | | 12.4 | 10.2 |
| E | | 1.2 | 11.2 | 2.2 | 4.8 | | | | | | | 19.4 | 12.0 |
| ESE | | | 2.2 | 1 | .3 | | | | | | | 4.5 | 8.1 |
| SE | | | | | | | | | | | | | 10.0 |
| SSE | | | | | | | | | | | | 1.0 | 7.0 |
| S | | | 1 | | | | | | | | | 2.3 | 5.7 |
| SSW | | | | | | | | | | | | 2.3 | 7.4 |
| SW | | 1.2 | | | | | | | | | | 2.3 | 7.0 |
| WSW | | | | | | | | | | | | 1.3 | 4.3 |
| W | 1.2 | 1 | .3 | | .3 | | | | | | | 2.3 | 5.3 |
| WNW | | | 1 | | | | | | | | | 1.2 | 5.7 |
| NW | | | | .3 | | | | | | | | 1.0 | 7.3 |
| NNW | | | | .3 | | | | | | | | .5 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.4 | |
| | | 11.2 | 17.0 | 11.6 | 6.5 | | | | | | | 10.0 | 9 |

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME KAJIMA BAY, HI YEARS 73-80 MONTH ALL

CLASS ALL WEATHER

CONDITION

NUMBER OF STATIONS 1

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 3.8 |
| NNE | | | | | | | | | | | | 1.0 | 4.5 |
| NE | | 1.0 | 3.0 | 1.0 | | | | | | | | 1.0 | 2.0 |
| ENE | | 2.0 | 4.0 | 0.0 | 0.0 | | | | | | | 2.0 | 11.1 |
| E | | 1.0 | 11.0 | 21.0 | 4.0 | | | | | | | 2.0 | 12.0 |
| ESE | | | | 2.0 | | | | | | | | 1.0 | 10.9 |
| SE | | | | | | | | | | | | 1.0 | 7.0 |
| SSE | | | | | | | | | | | | 1.0 | 4.5 |
| S | 1.0 | | | | | | | | | | | 1.0 | 3.0 |
| SSW | | | | | | | | | | | | 2.0 | 5.8 |
| SW | | | | | | | | | | | | 1.0 | 1.0 |
| WSW | 1.0 | | | | | | | | | | | 1.0 | 4.7 |
| W | | 1.0 | | | | | | | | | | 1.0 | 3.0 |
| WNW | | | | | | | | | | | | 1.0 | 5.0 |
| NW | | | | | | | | | | | | 1.0 | 4.7 |
| NNW | | | | | | | | | | | | 1.0 | 2.0 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.0 | |
| | | 11.0 | 2.0 | 32.0 | 6.0 | | | | | | | 10.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 710

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1961-1962 MAG 10
 CLASS ALL NORTH 10
 CONDITION ALL HOURS (LST) 0000-2300

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | | | | | | | 7.0 | 7.0 |
| NNE | | 1.0 | 1.0 | | | | | | | | | 3.0 | 4.0 |
| NE | | 1.0 | 2.0 | 1.0 | 3.0 | | | | | | | 4.0 | 5.0 |
| ENE | | 1.0 | 7.0 | 1.0 | 2.0 | 1.0 | | | | | | 7.0 | 11.0 |
| E | | 1.0 | 7.0 | 2.0 | 2.0 | 5.0 | | | | | | 10.0 | 12.0 |
| ESE | | | 2.0 | 2.0 | | | | | | | | 4.0 | 9.7 |
| SE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 6.0 |
| SSE | | | | | | | | | | | | | 3.0 |
| S | | | | | 1.0 | | | | | | | 1.0 | 8.2 |
| SSW | | | | 1.0 | | | | | | | | 1.0 | 10.0 |
| SW | | | | | | | | | | | | | 1.0 |
| WSW | | | | 1.0 | | | | | | | | 1.0 | 12.0 |
| W | | | | | | | | | | | | | 12.0 |
| WNW | | | | | | | | | | | | 1.0 | 7.0 |
| NW | | 1.0 | | | | | | | | | | 1.0 | 8.3 |
| NNW | | | 1.0 | | | | | | | | | 2.0 | |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | | 11.0 | 28.0 | 16.0 | 2.0 | | | | | | | 10.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE BAY, UT STATION NAME ASHEVILLE YEARS 1950-52 NORTH 10
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.0 | 2.0 | 2.3 | .6 | | | | | | | 7.7 | 10.1 |
| NNE | | 1.0 | 2.0 | | | | | | | | | 4.5 | 6.3 |
| NE | | 2.0 | 5.0 | 3.2 | .6 | | | | | | | 12.5 | 6.2 |
| ENE | | 3.0 | 5.0 | 13.0 | 2.2 | | | | | | | 30.4 | 11.4 |
| E | | 1.0 | 1.5 | 27.3 | 4.2 | | | | | | | 1.7 | 11.3 |
| ESE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 11.1 |
| SE | | 1.0 | 2.0 | .5 | | | | | | | | 1.0 | 1.7 |
| SSE | | | | .5 | | | | | | | | 1.3 | 1.5 |
| S | | 1.0 | | .5 | | | | | | | | 1.4 | 6.2 |
| SSW | | | | .6 | .3 | | | | | | | 1.0 | 13.0 |
| SW | | | .3 | .6 | .3 | | | | | | | 1.0 | 10.3 |
| WSW | | | | .3 | | | | | | | | .0 | 1.0 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | .0 | 6.5 |
| NW | | | | | | | | | | | | .0 | 1.0 |
| NNW | | | | | | | | | | | | .0 | 1.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 2.7 | 12.0 | 30.0 | 44.5 | 2.4 | | | | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 210

2808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEAR 1967 MAP 17
CLASS 17 MONTH 17
CONDITION 17

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 5.0 | 6.6 |
| NNE | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 5.0 | 6.6 |
| NE | 1.0 | 2.0 | 7.0 | 2.3 | 3.0 | | | | | | | 10.0 | 7.7 |
| ENE | | 1.0 | 1.0 | 1.0 | 2.3 | 1.0 | | | | | | 13.2 | 11.7 |
| E | | 1.0 | 7.1 | 17.7 | 1.0 | 1.0 | | | | | | 20.0 | 12.5 |
| ESE | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 10.0 | 10.1 |
| SE | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 7.0 |
| SSE | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 6.8 |
| S | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 6.5 |
| SSW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 7.8 |
| SW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 8.0 |
| WSW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 12.0 |
| W | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 6.5 |
| WNW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 6.0 |
| NW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 1.0 |
| NNW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.0 | 1.0 | 3.0 | 4.0 | 7.0 | 1.0 | | | | | | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION VA 700F 48Y, HI STATION NAME 17-00 YEARS 43
 ALL WEATHER CLASS 25
 CONDITION HOUSE (L.S.T.)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .3 | .6 | | | | | | | | 1.6 | 9.7 |
| NNE | | | .4 | .3 | | | | | | | | 2.6 | 5.9 |
| NE | 1.0 | 1.0 | 4.5 | .6 | | | | | | | | 8.1 | 7.2 |
| ENE | 1.0 | 2.4 | 7.7 | 12.3 | .6 | .3 | | | | | | 24.0 | 10.6 |
| E | 1.0 | 3.5 | 5.4 | 22.2 | 4.2 | | | | | | | 51.3 | 11.8 |
| ESE | | | 2.3 | 1.3 | .3 | | | | | | | 4.0 | 10.2 |
| SE | | | | | | | | | | | | .3 | 1.0 |
| SSE | | | .5 | | | | | | | | | 1.0 | 7.0 |
| S | | | .5 | | | | | | | | | 1.0 | 5.3 |
| SSW | | | | | | | | | | | | 1.0 | 5.9 |
| SW | | | 1.0 | | | | | | | | | 1.3 | 7.0 |
| WSW | | | | .3 | | .2 | | | | | | 1.3 | 12.1 |
| W | .2 | 1.0 | .3 | | | | | | | | | 1.7 | 5.3 |
| WNW | .2 | 1.3 | .6 | | | | | | | | | 2.3 | 5.7 |
| NW | | | .6 | .3 | | | | | | | | 1.0 | 8.6 |
| NNW | | | .3 | .3 | | | | | | | | 1.0 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 6.5 | 14.2 | 30.3 | 39.0 | 5.2 | .5 | | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1950-51 MONTH MAY
CLASS ALL SEAS HOUR (L.S.T.) 27
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | 1.6 | | | | | | | | 2.0 | 10.5 |
| NNE | | | | 1.6 | | | | | | | | 2.0 | 7.0 |
| NE | | 2.3 | 2.3 | 1.6 | | | | | | | | 6.2 | 7.0 |
| ENE | 1.7 | 2.0 | 3.5 | 11.3 | .6 | | | | | | | 20.0 | 10.0 |
| E | 1.7 | 3.5 | 11.0 | 23.9 | 4.9 | .6 | | | | | | 45.0 | 11.9 |
| ESE | | | 1.6 | .6 | | | | | | | | 2.3 | 5.1 |
| SE | | | | | | | | | | | | .3 | 7.0 |
| SSE | | | | | | | | | | | | 1.0 | 7.3 |
| S | | 1.6 | .6 | | | | | | | | | 2.0 | 5.1 |
| SSW | 1.7 | 3.5 | 1.0 | | | | | | | | | 2.0 | 4.9 |
| SW | 1.0 | 1.6 | .7 | .6 | | | | | | | | 3.0 | 5.5 |
| WSW | 1.0 | | | | .3 | | | | | | | 1.0 | 5.0 |
| W | .6 | .5 | | | .7 | | | | | | | 1.0 | 5.0 |
| WNW | | | | | | | | | | | | .3 | 5.0 |
| NW | | | | | | | | | | | | .5 | 3.0 |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.5 | |
| | 6.7 | 14.5 | 24.5 | 39.7 | 6.1 | .5 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 21 STATION NAME PAICHI BAY, HI YEARS 1981-82 MONTH MAY

CLASS ALL WEATHER

CONDITION ALL

HOURS (L.S.T.) ALL

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | 1.0 | 1.0 | .2 | | | | | | | 3.1 | 9.3 |
| NNE | | 1.2 | 1.2 | .2 | .1 | | | | | | | 2.9 | 5.6 |
| NE | | 1.3 | 1.5 | 1.6 | .2 | | | | | | | 3.4 | 7.8 |
| ENE | | 2.0 | 7.3 | 11.4 | 1.6 | .1 | | | | | | 24.2 | 11.1 |
| E | | 2.3 | 1.5 | 21.8 | 4.2 | .2 | | | | | | 36.9 | 12.2 |
| ESE | | .3 | 2.0 | 1.8 | .1 | | | | | | | 4.4 | 5.9 |
| SE | | .7 | .6 | .2 | | | | | | | | 1.1 | 7.2 |
| SSE | | .7 | .4 | .1 | | | | | | | | 1.0 | 6.7 |
| S | | .7 | .4 | .2 | | | | | | | | 1.5 | 6.2 |
| SSW | | .7 | .5 | .3 | .2 | | | | | | | 2.1 | 6.2 |
| SW | | .7 | .3 | .3 | .1 | | | | | | | 1.1 | 6.6 |
| WSW | | .7 | .2 | .2 | .2 | .2 | | | | | | 1.7 | 6.8 |
| W | | .7 | .1 | .1 | .1 | | | | | | | 1.2 | 5.6 |
| WNW | | .4 | .4 | | | | | | | | | 1.0 | 5.1 |
| NW | | .3 | .2 | .1 | .2 | | | | | | | .8 | 6.7 |
| NNW | | .3 | .3 | .2 | | | | | | | | 1.0 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.1 | |
| | 1.1 | 13.1 | 20.8 | 39.4 | 6.6 | .4 | | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS 2435

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEAR: 1982 MONTH: APR
 ALL WEATHER CLASS: ALL WEATHER
 CONDITION: ALL WEATHER
 HOURS (L.S.T.): 0000

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | | | | | .7 | | | | | | | 1.7 | 13.0 |
| NNE | | | 1.3 | | | | | | | | | 2.3 | 7.3 |
| NE | | 1.7 | 2.0 | 2.0 | | | | | | | | 6.7 | 8.6 |
| ENE | .3 | 4.7 | 10.7 | 7.0 | 1.3 | | | | | | | 26.0 | 9.3 |
| E | 1.7 | 4.7 | 16.7 | 19.7 | 1.3 | .3 | | | | | | 43.0 | 10.7 |
| ESE | | 2.0 | 1.0 | .7 | .3 | | | | | | | 4.7 | 7.4 |
| SE | | 1.1 | | | | | | | | | | 1.0 | 4.0 |
| SSE | | | | | | | | | | | | 1.1 | 4.3 |
| S | | | | | | | | | | | | .7 | 2.5 |
| SSW | | 1.0 | | | | | | | | | | 2.3 | 4.1 |
| SW | 1.0 | | | | | | | | | | | 1.7 | 3.4 |
| WSW | .3 | | | | | | | | | | | 2.7 | 3.1 |
| W | | | | | | | | | | | | .7 | 6.5 |
| WNW | | .3 | .7 | | | | | | | | | 1.0 | 5.7 |
| NW | | | | | | | | | | | | .7 | 2.0 |
| NNW | | | | | | | | | | | | .7 | 4.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 1.0 | 16.7 | 38.0 | 29.3 | 1.7 | .3 | | | | | | 10.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 MC FORT RAY, HI STATION NAME 17-27 YEAR SD
 CLASS ALL WEATHER MONTH 01
 CONDITION HOURLY (11.5.1)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 10.5 |
| NNE | | | | | | | | | | | | 2.3 | 7.2 |
| NE | | | | | | | | | | | | 10.7 | 7.9 |
| NNE | | | | | | | | | | | | 24.0 | 7.7 |
| E | | | | | | | | | | | | 37.0 | 10.4 |
| ESE | | | | | | | | | | | | 4.2 | 5.8 |
| SE | | | | | | | | | | | | 1.0 | 2.7 |
| SSE | | | | | | | | | | | | 0.7 | 2.0 |
| S | | | | | | | | | | | | 0.7 | 4.5 |
| SSW | | | | | | | | | | | | 2.3 | 5.4 |
| SW | | | | | | | | | | | | 0.7 | 3.2 |
| WSW | | | | | | | | | | | | 2.3 | 2.6 |
| W | | | | | | | | | | | | 0.7 | 2.0 |
| WNW | | | | | | | | | | | | 1.0 | 5.8 |
| NW | | | | | | | | | | | | 0.7 | 9.0 |
| NNW | | | | | | | | | | | | 0.7 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.0 | |
| | 10.0 | 1.3 | 32.7 | 27.3 | 2.7 | | | | | | | 10.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 100

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 ASHEVILLE, NC STATION NAME ASHEVILLE YEAR 1966 APC 15
MONTH 15 HOURS (L.S.T.) 15
ALL-WEATHER CLAM
CONDITION CLAM

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 1.3 | 3.5 |
| NNE | | | 1.7 | 3.3 | | | | | | | | 2.3 | 4.9 |
| NE | | 3.3 | 3.7 | 1.7 | 2.7 | | | | | | | 9.4 | 4.5 |
| ENE | | 4.7 | 2.7 | 1.7 | 2.7 | | | | | | | 26.7 | 10.7 |
| E | | 1.7 | 1.7 | 1.7 | 2.7 | | | | | | | 36.0 | 11.1 |
| ESE | | | 2.7 | 1.7 | 2.7 | | | | | | | 3.7 | 10.1 |
| SE | | | | 3.3 | | | | | | | | 1.0 | 7.7 |
| SSE | | | | | | | | | | | | 2.7 | 4.5 |
| S | | | | 2.7 | | | | | | | | 1.7 | 4.6 |
| SSW | | | | | | | | | | | | 1.3 | 2.0 |
| SW | | | | | | | | | | | | 1.7 | 2.0 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | 2.7 | 3.5 |
| WNW | | | | | | | | | | | | 2.7 | 4.5 |
| NW | | | | | | | | | | | | 1.0 | 3.7 |
| NNW | | | | | | | | | | | | 1.7 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 2.3 | 14.0 | 34.3 | 31.0 | 5.3 | | | | | | | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAHORE RAY, NY STATION NAME 73-22 YEAR APR
CLASS ALL WEATHER MONTH 11
CONDITION NOISE (L.S.T.)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 1.7 | | 7 | | | | | | | | 2.7 | 8.9 |
| NNE | | 2.3 | 2.7 | 7 | | | | | | | | 7.3 | 8.7 |
| NE | | 4.7 | 7.7 | 3.7 | 3 | | | | | | | 12.7 | 7.1 |
| ENE | | 2.7 | 14.7 | 14.3 | 3.7 | | | | | | | 24.7 | 11.6 |
| E | | 2.7 | 5 | 17.7 | 7.7 | 3 | | | | | | 39.3 | 12.3 |
| ESE | | | 2.7 | 5.7 | 3 | | | | | | | 9.7 | 11.4 |
| SE | | | 1.7 | 2 | | | | | | | | 2.3 | 7.6 |
| SSE | | | 7 | | | | | | | | | 1.7 | 6.8 |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | 1.7 | 3 |
| SW | | | | | | | | | | | | 3 | 2.9 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | 3 | 2.7 |
| WNW | | | | | | | | | | | | 7 | 2.7 |
| NW | | | | | | | | | | | | | |
| NNW | | | 1.7 | 3 | | 3 | | | | | | 2.7 | 11.3 |
| VARB. | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.8 | |
| | 1.7 | 1.3 | 30.7 | 43.6 | 6.7 | 7 | | | | | | 100.0 | 11.6 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RALEIGH BAY, MT STATION NAME RALEIGH BAY, MT YEARS 1961-1962 MONTH APR

CLASS ALL WEATHER HOURS (L.S.T.) 14

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.7 | 2.7 | 1.7 | | | | | | | | 6.7 | 7.8 |
| NNE | | | 1.7 | 1.3 | | | | | | | | 10.7 | 7.7 |
| NE | | 1.7 | 2.3 | 7.7 | .3 | | | | | | | 17.7 | 9.9 |
| ENE | | 7.7 | 12.7 | 13.7 | 1.7 | | | | | | | 30.7 | 11.1 |
| E | | | 5.7 | 13.7 | 7.7 | .3 | | | | | | 23.7 | 12.8 |
| ESE | | 1.7 | | 2.7 | | | | | | | | 4.7 | 10.4 |
| SE | | | | | | | | | | | | .7 | 7.5 |
| SSE | | | | | | | | | | | | .7 | 5.0 |
| S | | 1.7 | .7 | .7 | | | | | | | | 2.3 | 6.1 |
| SSW | | | | | | | | | | | | .3 | 6.1 |
| SW | | | | | | | | | | | | .3 | 12.7 |
| WSW | | | | | | | | | | | | .3 | 4.0 |
| W | | | | | | | | | | | | .3 | 1.0 |
| WNW | | | | | | | | | | | | .3 | 1.0 |
| NW | | | | | | | | | | | | 1.0 | 4.5 |
| NNW | | | | | | | | | | | | 1.0 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 3 | 15.7 | 7.0 | 27.7 | 8.7 | .3 | | | | | | 10.7 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PAICOLIC BAY, HI STATION NAME PAICOLIC BAY, HI YEARS 1950-55 MONTH APR
ALL WEATHER CLASS 17 HOURS (L.S.T.) 17
CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | | 2.7 | 1.7 | 1.7 | | | | | | | | 5.7 | 8.5 |
| NNE | | 2.7 | 5.7 | 1.7 | | | | | | | | 10.7 | 7.8 |
| NE | | 2.7 | 5.7 | 5.7 | 3.7 | | | | | | | 15.7 | 10.7 |
| ENE | 1.7 | 2.7 | 17.7 | 15.7 | 1.7 | | | | | | | 34.7 | 10.7 |
| E | | 3.7 | 7.7 | 14.7 | 2.7 | | | | | | | 28.7 | 12.7 |
| ESE | | | | 1.7 | 3.7 | | | | | | | 2.7 | 10.7 |
| SE | | | | | | | | | | | | 2.7 | 4.7 |
| SSE | | | | | | | | | | | | 2.7 | 9.7 |
| S | | | | | | | | | | | | 2.7 | 4.7 |
| SSW | | | | | | | | | | | | 2.7 | 6.7 |
| SW | | | | 2.7 | | | | | | | | 2.7 | 11.7 |
| WSW | | | 2.7 | | | | | | | | | 2.7 | 6.7 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | 2.7 | 2.7 |
| NW | | | | 2.7 | | | | | | | | 1.7 | 7.7 |
| NNW | | | | | | | | | | | | 2.7 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 2.7 | 1.7 | 15.7 | 40.7 | 5.7 | | | | | | | 10.7 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE BAY, NC STATION NAME 73-80 YEARS APR
ALL FATHER MONTH 20
 CLASS HOURLY (L.S.T.)
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARB. | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS RAY, HI STATION NAME WATKINS RAY, HI YEARS 1952 MONTH APR
CLASS ALL WEATHER HOURS (LST) 24
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 1.7 | 12.2 |
| NNE | | | | | | | | | | | | 1.7 | 9.8 |
| NE | 1.7 | 2.7 | 2.7 | 2.3 | 1.3 | | | | | | | 10.0 | 11.1 |
| ENE | | 4.7 | 11.7 | 11.3 | 1.3 | | | | | | | 37.0 | 10.0 |
| E | | 7.7 | 12.7 | 2.0 | 1.3 | | | | | | | 40.0 | 11.4 |
| ESE | | | 1.7 | 1.7 | | | | | | | | 3.7 | 8.8 |
| SE | | | | | | | | | | | | 2.7 | 7.1 |
| SSE | | | | | | | | | | | | 2.7 | 5.0 |
| S | 1.7 | | | | | | | | | | | 1.7 | 2.3 |
| SSW | | | | | | | | | | | | 1.7 | 3.5 |
| SW | 1.7 | | | | | | | | | | | 2.7 | 1.7 |
| WSW | | | | | | | | | | | | 2.7 | 1.7 |
| W | | | | | | | | | | | | 2.7 | 3.0 |
| WNW | | | | | | | | | | | | 1.7 | 3.0 |
| NW | | | | | | | | | | | | 2.7 | 10.0 |
| NNW | | | | | | | | | | | | 2.7 | 10.0 |
| VARIABLE | | | | | | | | | | | | 2.7 | 10.0 |
| CALM | | | | | | | | | | | | 2.7 | 10.0 |
| | | 14.7 | 20.3 | 36.0 | 4.7 | | | | | | | 10.0 | 1.3 |

TOTAL NUMBER OF OBSERVATIONS 100

8808

RU S GPO 1984 741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1954-1955 ADJ 1.1
 CLIM CLIM
 CONDITION CLIM

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | 8.6 |
| NNE | | | | | | | | | | | | | 7.4 |
| NE | | | | | | | | | | | | | 5.4 |
| ENE | | | | | | | | | | | | | 10.4 |
| E | | | | | | | | | | | | | 11.4 |
| ESE | | | | | | | | | | | | | 11.4 |
| SE | | | | | | | | | | | | | 11.4 |
| SSE | | | | | | | | | | | | | 11.4 |
| S | | | | | | | | | | | | | 11.4 |
| SSW | | | | | | | | | | | | | 11.4 |
| SW | | | | | | | | | | | | | 11.4 |
| WSW | | | | | | | | | | | | | 11.4 |
| W | | | | | | | | | | | | | 11.4 |
| WNW | | | | | | | | | | | | | 11.4 |
| NW | | | | | | | | | | | | | 11.4 |
| NNW | | | | | | | | | | | | | 11.4 |
| VARBL | | | | | | | | | | | | | 11.4 |
| CALM | | | | | | | | | | | | | 11.4 |

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KATIEDHE BAY (U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

24

F/G 4/2

NI

L



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2 1 PALEOGHE PAV. HI STATION NAME 15-82 YEAR MAY
MONTH 02
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 10.0 | |
| NNE | | | | | | | | | | | | 5.5 | |
| NE | | 1.2 | 2.3 | | | | | | | | | 6.4 | |
| NNE | | 2.3 | 11.6 | 6.8 | | | | | | | | 22.3 | 9.2 |
| E | 1.2 | 1.1 | 24.5 | 16.8 | | | | | | | | 1.0 | 9.3 |
| ESE | | 2.0 | 1.1 | | | | | | | | | 4.2 | 6.5 |
| SE | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 1.5 | |
| SSW | | | | | | | | | | | | 1.4 | 8.4 |
| SW | 1.2 | 1.1 | | | | | | | | | | 2.3 | 3.3 |
| WSW | | | | | | | | | | | | 1.7 | 1.7 |
| W | | | | | | | | | | | | 1.5 | 4.0 |
| WNW | | | | | | | | | | | | | 5.5 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | 12.0 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.0 | |
| | | 17.4 | 81.0 | 24.5 | | | | | | | | 10.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 112

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-11 STATION KAFOHE DAY, MT 13-47 YEARS MAY NORTH
ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | .3 | 7.0 |
| NNE | | | .3 | .6 | | | | | | | | 1.6 | 8.2 |
| NE | 1.7 | 1.7 | .6 | .3 | | | | | | | | 2.7 | 5.8 |
| NNE | 1.7 | 8.1 | 13.2 | 6.8 | | | | | | | | 26.1 | 8.8 |
| E | 1.7 | 8.7 | 22.6 | 11.9 | | | | | | | | 48.5 | 8.8 |
| ESE | .7 | 1.7 | .6 | .6 | | | | | | | | 2.6 | 7.6 |
| SE | | | | .6 | | | | | | | | 1.1 | 5.3 |
| SSE | | | .3 | | | | | | | | | .6 | 7.0 |
| S | | .3 | .3 | .3 | | | | | | | | 1.6 | 6.0 |
| SSW | 1.7 | 1.7 | | | | | | | | | | 2.6 | 3.8 |
| SW | 1.7 | | | | | | | | | | | 1.7 | 2.5 |
| WSW | | 1.3 | | | | | | | | | | 1.7 | 4.3 |
| W | .5 | | .3 | | | | | | | | | .6 | 4.5 |
| WNW | .3 | .3 | | | | | | | | | | .6 | 3.5 |
| NW | | | | | | | | | | | | | |
| NNW | | | | .3 | | | | | | | | .6 | 11.5 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 2.4 | 15.4 | 13.7 | 21.0 | | | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12714 KANOE BAY, HI STATION NAME 73-82 YEARS 46Y
MONTH 28
HOURS (L.S.T.) 28
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .3 | | | | | | | | | .6 | 8.0 |
| NNE | | 1.1 | .3 | .3 | | | | | | | | 1.6 | 7.2 |
| NE | | 1.9 | 1.6 | .3 | | | | | | | | 4.5 | 6.6 |
| NNE | | 3.2 | 13.5 | 9.7 | | | | | | | | 26.6 | 9.5 |
| E | | 4.4 | 19.4 | 17.1 | 1.1 | | | | | | | 42.9 | 10.2 |
| ESE | | | 1.2 | 1.9 | .3 | | | | | | | 5.0 | 9.9 |
| SE | | | | | | | | | | | | .3 | 3.0 |
| SSE | | | | | | | | | | | | .3 | 7.0 |
| S | 1.1 | | .3 | .3 | | | | | | | | 1.6 | 5.6 |
| SSW | | | | | | | | | | | | .3 | 4.0 |
| SW | | | | | | | | | | | | .3 | 2.0 |
| WSW | 1.0 | .4 | | | | | | | | | | 1.6 | 3.8 |
| W | .3 | .3 | | | | | | | | | | .6 | 3.5 |
| WNW | .3 | .3 | | | | | | | | | | .6 | 3.0 |
| NW | | | | | | | | | | | | .3 | 4.0 |
| NNW | | | | | | | | | | | | .3 | 0.0 |
| VARB. | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.3 | |
| | 4.0 | 13.5 | 33.4 | 29.7 | 1.3 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KANAWHA BAY, MT STATION NAME 13-22 YEARS MAY
ALL WEATHER
CLAS
CONDITION
11
NOV 68 (L.S.T.)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.7 | 3.3 | | | | | | | | | 2.0 | 5.0 |
| NNE | 0.7 | 1.7 | 1.6 | 3.3 | | | | | | | | 3.4 | 6.8 |
| NE | 1.0 | 3.2 | 5.1 | 1.6 | | | | | | | | 10.3 | 7.4 |
| NNE | | 3.7 | 15.5 | 11.0 | 1.6 | | | | | | | 31.7 | 10.3 |
| E | 0.3 | 2.3 | 1.6 | 17.8 | 1.6 | | | | | | | 12.3 | 11.3 |
| ESE | | 1.7 | 2.3 | 1.0 | 3.3 | | | | | | | 6.5 | 9.8 |
| SE | | 0.7 | 1.0 | 3.3 | | | | | | | | 1.6 | 8.2 |
| SSE | | 0.7 | | | | | | | | | | 0.7 | 8.0 |
| S | | 0.7 | 3.3 | | | | | | | | | 1.0 | 6.0 |
| SSW | | 0.7 | 0.6 | 3.3 | | | | | | | | 1.3 | 7.8 |
| SW | | | 0.6 | | | | | | | | | 0.6 | 8.0 |
| WSW | | | | | | | | | | | | | |
| W | 0.7 | | | | | | | | | | | 0.7 | 2.0 |
| WNW | | | | | | | | | | | | | |
| NW | | 0.7 | | | | | | | | | | 0.7 | 4.5 |
| NNW | | 0.7 | | | | | | | | | | 0.7 | 5.5 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 3.5 | 17.1 | 81.0 | 32.9 | 3.5 | | | | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-10 KAHICHA BAY, HI STATION NAME 73-82 YEAR MAY
 CLASS ALL WEATHER MONTH 14
 CONDITION NOON (L.S.T.)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 1.3 | 1.0 | .6 | | | | | | | | 3.2 | 7.7 |
| NNE | | 2.3 | 2.6 | | | | | | | | | 5.2 | 6.7 |
| NE | | 2.0 | 3.7 | 1.9 | | | | | | | | 13.5 | 8.4 |
| ENE | | 5.5 | 15.5 | 19.8 | .6 | | | | | | | 41.6 | 10.4 |
| E | | 1.0 | 1.0 | 12.6 | .6 | | | | | | | 25.2 | 11.0 |
| ESE | | .6 | 2.6 | 1.6 | .3 | | | | | | | 5.5 | 5.2 |
| SE | | | .6 | | | | | | | | | 1.0 | 5.3 |
| SSE | | | .7 | | | | | | | | | .6 | 6.5 |
| S | | | | .4 | | | | | | | | .6 | 12.5 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | .7 | 4.0 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | .3 | 2.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | .6 | | | | | | | | | 1.2 | 7.0 |
| NNW | .3 | .7 | | | | | | | | | | .6 | 4.0 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 2.0 | 15.5 | 42.3 | 36.8 | 1.6 | | | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAFOHE BAY, MT STATION NAME 13-82 YEARS MAY
MONTH 17
DATE (L.S.T.) 17
CLASS ALL WEATHER
ORIGIN

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | 2.3 | .6 | .3 | | | | | | | | 3.2 | 6.1 |
| NNE | | 1.3 | 1.3 | .3 | | | | | | | | 3.5 | 6.0 |
| NE | | 1.0 | 6.4 | 2.3 | | | | | | | | 13.0 | 7.8 |
| ENE | 1.7 | 6.5 | 17.7 | 15.2 | 1.9 | | | | | | | 22.3 | 10.0 |
| E | | 1.7 | 11.6 | 13.2 | .3 | | | | | | | 27.1 | 10.7 |
| ESE | | 1.4 | 2.9 | | | | | | | | | 4.5 | 7.6 |
| SE | | | | | | | | | | | | .3 | 2.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | .3 | 3.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | .4 | 3.5 |
| W | | | | | | | | | | | | .6 | 6.5 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | 1.0 | 3.7 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 3.2 | 17.7 | 22.3 | 31.6 | 2.3 | | | | | | | 10.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 310

2808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KANAWHA BAY, WY YEAR 13-62 MONTH MAY
 CLASS ALL WEATHER
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | .3 | | | | | | | | | .6 | 6.5 |
| NNE | | 1.6 | .6 | | | | | | | | | 1.6 | 6.0 |
| NE | .7 | 3.5 | 5.5 | .6 | | | | | | | | 11.0 | 6.5 |
| ENE | .3 | .1 | 13.9 | 1.3 | | | | | | | | 32.6 | 4.3 |
| E | | 7.1 | 17.4 | 14.2 | 1.0 | | | | | | | 40.3 | 9.7 |
| ESE | | 1.0 | 1.0 | 1.0 | | | | | | | | 2.0 | 7.8 |
| SE | | .3 | .3 | .3 | | | | | | | | 1.0 | 5.6 |
| SSE | | | | | | | | | | | | .2 | 2.0 |
| S | | 1.0 | | | | | | | | | | 1.0 | 3.6 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | .3 | | | | | | | | | | .6 | 4.0 |
| WNW | | .3 | | | | | | | | | | .6 | 5.0 |
| NW | | .1 | | | | | | | | | | 1.7 | 4.3 |
| NNW | | .3 | | | | | | | | | | .3 | 2.0 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.3 | |
| | .1 | 21.6 | 3.0 | 26.5 | 1.0 | | | | | | | 10.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 110

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 214 JACOB RAY, MT STATION NAME 77-82 YEARS MAY
MONTH 21
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 212

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

MANOTAH BAY, HI

STATION NAME

73-82

YEARS

48Y

MONTH

ALL WEATHER

CLASS

ALL

HOURLY (L.S.T.)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .1 | .4 | .1 | | | | | | | | 1.5 | 4.6 |
| NNE | | 1.1 | 1.0 | .2 | | | | | | | | 2.3 | 6.5 |
| NE | .1 | 2.5 | 4.6 | .9 | | | | | | | | 6.0 | 7.2 |
| ENE | .1 | 4.4 | 14.2 | 1.7 | .6 | | | | | | | 11.1 | 5.6 |
| E | | 5.2 | 17.1 | 15.6 | .7 | | | | | | | 29.2 | 10.8 |
| ESE | | 1.2 | 1.1 | 1.1 | .1 | | | | | | | 4.3 | 5.6 |
| SE | | .1 | .4 | .1 | | | | | | | | .7 | 5.6 |
| SSE | .1 | .1 | .2 | | | | | | | | | .4 | 5.1 |
| S | .1 | .4 | .2 | .2 | | | | | | | | 1.3 | 5.3 |
| SSW | .1 | .2 | .1 | .1 | | | | | | | | .7 | 4.9 |
| SW | .1 | .2 | .1 | | | | | | | | | .7 | 4.1 |
| WSW | .1 | .2 | | | | | | | | | | .4 | 3.4 |
| W | .1 | .2 | | .0 | | | | | | | | .4 | 2.9 |
| WNW | .1 | .3 | | | | | | | | | | .4 | 3.9 |
| NW | .1 | .3 | .2 | | | | | | | | | .4 | 5.7 |
| NNW | .1 | .1 | .1 | .1 | | | | | | | | .4 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.2 | |
| | .2 | 17.3 | 40.5 | 29.0 | 1.5 | | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS

2480

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS BAY, NY STATION NAME WATKINS BAY YEARS 1950-52 MONTH ALL
ALL ALL ALL
ALL ALL ALL
ALL ALL ALL
ALL ALL ALL

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 0.3 | 0.0 |
| NNE | | | | | | | | | | | | 0.7 | 0.5 |
| NE | | 2.0 | 2.0 | 3.0 | | | | | | | | 4.0 | 6.9 |
| ENE | 1.7 | 7.0 | 14.0 | 7.7 | | | | | | | | 26.3 | 9.9 |
| E | 2.3 | 1.3 | 25.7 | 14.7 | 1.0 | | | | | | | 52.0 | 9.0 |
| ESE | 2.7 | 1.0 | 1.3 | 3.0 | | | | | | | | 3.3 | 7.3 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | 0.3 | 5.1 |
| S | | | | | | | | | | | | 0.3 | 6.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | 0.3 | 1.0 |
| WSW | 0.3 | 1.0 | | | | | | | | | | 1.3 | 3.6 |
| W | | | | | | | | | | | | 0.3 | 5.0 |
| WNW | 0.3 | 0.3 | | | | | | | | | | 1.0 | 7.3 |
| NW | | | | | | | | | | | | 0.3 | 8.7 |
| NNW | | | | | | | | | | | | 0.3 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.0 | |
| | 7.0 | 6.0 | 43.7 | 23.0 | 1.0 | | | | | | | 10.0 | |

TOTAL NUMBER OF OBSERVATIONS 100

SMOG

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LA FOLLE RAY, HI STATION NAME 73-52 YEARS 1973
 CLASS ALL WEATHER
 OBSERVATION 1000

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 7.7 | 5.5 |
| NNE | | 1.7 | | | | | | | | | | 1.7 | 5.6 |
| NE | | 2.7 | 3.7 | | | | | | | | | 7.7 | 6.0 |
| ENE | | 5.7 | 9.4 | 7.7 | | | | | | | | 22.7 | 8.7 |
| E | 2.3 | 4.4 | 25.4 | 12.7 | 7.7 | | | | | | | 50.5 | 8.5 |
| ESE | | | 2.7 | 3.7 | | | | | | | | 4.7 | 7.9 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 1.7 | 4.0 |
| SSW | | | | | | | | | | | | | 5.0 |
| SW | | 1.7 | | | | | | | | | | 1.0 | 3.3 |
| WSW | 1.7 | | | | | | | | | | | 1.7 | 2.3 |
| W | | | | | | | | | | | | 1.7 | 1.0 |
| WNW | | | | | | | | | | | | 1.7 | 5.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.7 | |
| | 2.3 | 22.7 | 41.5 | 28.7 | 1.0 | | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 249

U.S. GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-52 MONTHS ALL

CLASS ALL

CONDITION ALL

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 0.3 | 0.0 |
| NNE | | | | | | | | | | | | 1.0 | 0.0 |
| NE | | 1.7 | 7.3 | 1.0 | | | | | | | | 1.0 | 2.7 |
| NNE | | 5.0 | 14.7 | 13.3 | | | | | | | | 33.0 | 9.7 |
| E | | 7.3 | 21.7 | 19.0 | 1.7 | | | | | | | 40.0 | 14.0 |
| ESE | | | 2.0 | 1.0 | | | | | | | | 3.3 | 9.7 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 0.3 | 2.0 |
| SSW | | | | | | | | | | | | 0.3 | 0.0 |
| SW | | | | | | | | | | | | 1.0 | 2.0 |
| WSW | | | | | | | | | | | | 0.3 | 4.0 |
| W | | | | | | | | | | | | 0.3 | 1.0 |
| WNW | | | 3.0 | | | | | | | | | 0.3 | 0.0 |
| NW | | | | | | | | | | | | 0.3 | 2.0 |
| NNW | | | | | | | | | | | | 0.3 | 0.5 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.3 | |
| | 0.3 | 12.0 | 42.7 | 34.3 | 1.7 | | | | | | | 10.0 | 0.3 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

| STATION | STATION NAME | YEAR | MONTH |
|---------|--------------|------|-------|
| | | | |
| | ALL-FAITH | | |
| | CLASS | | |
| | CONDITION | | |

[illegible]

TOTAL NUMBER OF OBSERVATIONS 222

SNFOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

KA TOLE BAY, NT

STATION NAME

1952

YEAR

TIME

SOUTH

ALL LEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.7 | 0.7 | | | | | | | | | 2.0 | 5.3 |
| NNE | 7 | 2.3 | 3.7 | 3 | | | | | | | | 7.0 | 6.6 |
| NE | 7 | 3.3 | 5.7 | 6.7 | | | | | | | | 12.7 | 9.1 |
| ENE | 7 | 2.7 | 15.3 | 20.7 | 2.0 | | | | | | | 40.3 | 11.1 |
| E | | | 2.7 | 15.7 | 1.0 | | | | | | | 28.7 | 11.9 |
| ESE | | | 2.7 | 3.0 | 3 | | | | | | | 8.7 | 11.8 |
| SE | | | 1.0 | | | | | | | | | 1.0 | 9.3 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 3 | 8.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | 3 | 4.0 |
| WWW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0 | |
| | 1.7 | 10.0 | 35.3 | 45.7 | 3.3 | | | | | | | 100.0 | 10.5 |

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 231 NA. FONGE BAY, HI STATION NAME 74-82 YEARS MONTH 17
CLASS ALL WEATHER HOURS (L.S.T.) 17
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 1.7 | | | | | | | | | | 1.7 | 4.8 |
| NNE | 1.7 | 2.7 | 2.3 | | | | | | | | | 6.7 | 5.8 |
| NE | | 3.7 | 8.7 | 4.7 | | | | | | | | 16.7 | 8.8 |
| NNE | | 5.7 | 16.7 | 18.3 | 1.3 | | | | | | | 42.7 | 10.3 |
| E | | 1.7 | 17.3 | 13.7 | 2.3 | | | | | | | 28.3 | 11.3 |
| ESE | | | 1.7 | 7.7 | 3.7 | | | | | | | 2.7 | 11.2 |
| SE | | | 7.7 | | | | | | | | | 7.7 | 6.5 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 7.7 | 5.0 |
| SSW | | | | | | | | | | | | 7.7 | 5.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | 7.7 | 2.0 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | 7.7 | 2.0 |
| NW | | | | | | | | | | | | 7.7 | 3.0 |
| NNW | | | 1.7 | | | | | | | | | 1.0 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.7 | 16.7 | 39.7 | 36.7 | 4.0 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 100

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAFOHE BAY, NY STATION NAME 73-80 YEARS JUN
ALL WEATHER 20
COAS MOON (L.S.T.)
COAST

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 5.3 |
| NNE | | | | | | | | | | | | 2.0 | 4.0 |
| NE | | | | | | | | | | | | 1.0 | 7.4 |
| NNE | | | | | | | | | | | | 31.0 | 3.3 |
| E | | | | | | | | | | | | 46.0 | 10.7 |
| ESE | | | | | | | | | | | | 1.0 | 3.8 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 1.0 | 3.0 |
| SSW | | | | | | | | | | | | 1.0 | 4.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | 1.0 | 5.0 |
| WNW | | | | | | | | | | | | 1.0 | 5.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | 1.0 | 5.3 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 3.0 | 16.3 | 43.3 | 32.7 | 2.0 | | | | | | | 10.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-1 KATFOUR BAY, HI STATION NAME 13-82 YEAR 1982 MONTH JUN
ALL WEATHER CLASS 21 HOURS (L.S.T.)
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | .3 | 7.0 |
| NNE | | 1.7 | | | | | | | | | | 2.0 | 3.0 |
| NE | | 1.7 | 3.3 | 2.3 | | | | | | | | 3.3 | 7.5 |
| ENE | | 2.0 | 15.3 | 8.7 | | | | | | | | 27.7 | 9.5 |
| E | 1.7 | 5.7 | 21.3 | 22.3 | 1.3 | | | | | | | 52.0 | 10.0 |
| ESE | | | 1.7 | 1.3 | | | | | | | | 3.7 | 8.9 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | .3 | 6.0 |
| S | | | | | | | | | | | | .3 | 6.0 |
| SSW | | | | | | | | | | | | .7 | 2.5 |
| SW | | | | | | | | | | | | .7 | 1.0 |
| WSW | | | | | | | | | | | | 1.0 | 2.7 |
| W | | | | | | | | | | | | .3 | 3.5 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | .3 | 5.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.7 | |
| | 7.0 | 12.3 | 41.3 | 34.7 | 1.3 | | | | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 710

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATSONS BAY, MT YEAR 1980 MONTH JUN
 ALL WEATHER
 OBSERVATION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .1 | | | | | | | | | | | 1.0 | 5.6 |
| NNE | .1 | 1.4 | 1.1 | .1 | | | | | | | | 1.1 | 5.6 |
| NE | .1 | 2.7 | 5.3 | 2.5 | | | | | | | | 11.1 | 7.3 |
| NNE | .1 | 4.0 | 14.3 | 12.9 | .5 | | | | | | | 32.4 | 7.9 |
| E | .1 | 4.8 | 15.1 | 17.6 | 1.5 | | | | | | | 41.9 | 10.2 |
| ESE | .1 | | 1.2 | 1.3 | .1 | | | | | | | 3.9 | 9.7 |
| SE | | | | .0 | | | | | | | | .3 | 6.2 |
| SSE | | | | | | | | | | | | .1 | 5.0 |
| S | .1 | .3 | .2 | | | | | | | | | .5 | 5.8 |
| SSW | .1 | .1 | | | | | | | | | | .2 | 6.0 |
| SW | .1 | | | | | | | | | | | .1 | 2.5 |
| WSW | .1 | | | | | | | | | | | .0 | 2.9 |
| W | .1 | .1 | | | | | | | | | | .3 | 3.2 |
| WNW | .1 | .3 | | | | | | | | | | .1 | 3.5 |
| NW | .1 | .2 | | | | | | | | | | .7 | 4.0 |
| NNW | .1 | .4 | | | | | | | | | | .0 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.1 | |
| | 4.3 | 15.3 | 41.4 | 33.8 | 2.1 | | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 2339

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2010 KANOE RAY, HI 77-82
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOUSE (L.S.T.)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NH | | 2.1 | 2.9 | 3.7 | | | | | | | | 6.5 | 5.6 |
| ENE | 1.3 | 6.1 | 18.7 | 8.7 | | | | | | | | 35.5 | 8.8 |
| E | | 11.7 | 21.6 | 17.1 | 6.6 | | | | | | | 51.7 | 9.2 |
| ESE | | 1.3 | 1.3 | 3.7 | | | | | | | | 3.2 | 6.4 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 3.7 | 8.7 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.2 | |
| | 7.2 | 21.0 | 48.5 | 26.5 | 6.6 | | | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 KEEPEE BAY, HI STATION NAME 73-63 YEARS 1964
ALL WEATHER
GLASS
MOON
WINDS (LST)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | 2.0 | 3.0 | 4.0 | | | | | | | | 7.0 | 5.0 |
| ENE | 2.0 | 8.0 | 15.0 | 8.0 | 3.0 | | | | | | | 38.0 | 5.4 |
| E | 1.0 | 11.0 | 23.0 | 12.0 | 3.0 | | | | | | | 47.0 | 8.7 |
| ESE | | 1.0 | 1.0 | | | | | | | | | 1.0 | 7.5 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | 1.0 | | | | | | | | | | 1.0 | 4.5 |
| SW | 1.0 | | | | | | | | | | | 1.0 | 2.0 |
| WSW | 1.0 | | | | | | | | | | | 1.0 | 2.0 |
| W | 1.0 | | | | | | | | | | | 1.0 | 2.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 23.0 | 43.0 | 21.0 | 6.0 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-10 MANOHU BAY, HI STATION NAME 22-82 YEARS 1981 MONTH 02
 CLASS ALL WEATHER
 CONDITION 02
 MOON (L.S.T.)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | 1.5 | 1 | | | | | | | | | 2.0 | 4.8 |
| NE | | 2.6 | 3.9 | 3 | | | | | | | | 7.1 | 7.3 |
| NNE | | 6.6 | 21.0 | 13.2 | | | | | | | | 40.6 | 2.2 |
| E | | 4.5 | 1.7 | 17.1 | 3 | | | | | | | 41.6 | 10.1 |
| ESE | | | 4 | 3 | | | | | | | | 1.7 | 2.0 |
| SE | | | | | | | | | | | | 3 | 3.0 |
| SSE | | | | | | | | | | | | | |
| S | | 3 | | | | | | | | | | 6 | 3.5 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | 2.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | 1.0 | 2.3 |
| YARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.2 | |
| | 2 | 16.5 | 48.2 | 33.0 | 3 | | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS 111

2108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KA FINE BAS. HI STATION NAME 75-82 YEAR JUL
ALL WEATHER CLASS 11
 HOURS (L.S.T.)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 0.7 | 5.0 |
| NNE | | 2.6 | 2.6 | 1.1 | | | | | | | | 6.5 | 6.3 |
| NE | | 3.1 | 5.5 | 4.2 | | | | | | | | 13.2 | 6.5 |
| ENE | | 7.2 | 2.6 | 16.8 | 1.6 | | | | | | | 22.2 | 10.2 |
| E | | 1.1 | 11.7 | 15.5 | 1.1 | 3.1 | | | | | | 30.0 | 11.3 |
| ESE | | | 1.1 | 2.6 | | | | | | | | 4.5 | 10.6 |
| SE | | | | | | | | | | | | 3.1 | 7.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 0.7 | 10.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | 0.7 | 8.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | 0.7 | 2.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.7 | |
| | 1.1 | 12.4 | 22.6 | 19.8 | 2.6 | 3.1 | | | | | | 1.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MANUJOE BAY, HI STATION NAME MANUJOE BAY, HI YEARS 1982 MONTH JUL
CLASS ALL WEATHER
CONVENTION 14
NOON (LST)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | 1.9 | | | | | | | | | 2.6 | 7.8 |
| NNE | | 1.2 | 7.7 | 1.3 | | | | | | | | 7.4 | 6.6 |
| NE | | 2.1 | 13.5 | 1.5 | | | | | | | | 16.4 | 2.4 |
| ENE | | 1.1 | 21.3 | 22.9 | 1.3 | | | | | | | 47.7 | 10.9 |
| E | | 1.3 | 7.7 | 1.6 | 1.6 | | | | | | | 10.3 | 11.1 |
| ESE | | | | 1.6 | | | | | | | | 2.6 | 9.7 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 1.3 | 2.8 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | 1.3 | 3.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | | 10.6 | 48.7 | 37.4 | 1.3 | | | | | | | 1.0.9 | 12.5 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2 KALINUT BAY, NY STATION NAME 17-53 YEARS 111
CLASS ALL WEATHER MONTH 17
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | | | | | | | | | | | | 1.0 | 5.0 |
| NNE | 2 | 2 | 2.6 | 3 | | | | | | | | 1.0 | 5.0 |
| NE | 2 | 2 | 11.6 | 2.6 | | | | | | | | 1.0 | 5.0 |
| ENE | 3 | 1 | 25.8 | 18.7 | 3 | | | | | | | 1.0 | 9.9 |
| E | | 1 | 5.4 | 10.0 | 6 | | | | | | | 1.0 | 10.0 |
| ESE | | | 1.0 | 3 | | | | | | | | 1.0 | 1.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 1.0 | 51.3 | 31.9 | 1.0 | | | | | | | 1.0 | |

TOTAL NUMBER OF OBSERVATIONS 111

SMOG

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAHOOLAWE BAY, HI STATION NAME KAHOOLAWE BAY, HI YEARS 73-81 MONTH 11

CLASS ALL WEATHER

ORIGIN

HOURS (LST)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | 1.0 | | | | | | | | | | | 1.0 | 4.5 |
| NE | | 1.0 | 4.5 | 1.0 | | | | | | | | 6.5 | 7.0 |
| ENE | 1.0 | 1.0 | 24.0 | 16.5 | 1.0 | | | | | | | 43.5 | 5.0 |
| E | | 4.0 | 16.1 | 16.5 | 1.0 | | | | | | | 37.6 | 11.0 |
| ESE | | | 1.0 | | | | | | | | | 1.0 | 3.0 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | X | X | X | X | X | X | 1.0 | |
| | 1.0 | 13.2 | 40.4 | 33.9 | 1.0 | | | | | | | 10.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS BAY, MS STATION NAME WATKINS BAY YEAR 1960 MONTH 10

ALL SEAS ALL SEAS CLASS ALL SEAS

CONDITION ALL SEAS

MOVES (L S Y) 27

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2111 KAHOOLA BAY, HI STATION NAME 13-82 YEARS 11 MONTH 11
CLASS ALL WEATHER HOURS (L.S.T.) 211
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | 7.1 |
| NNE | | 1.5 | 1.2 | | | | | | | | | 3.3 | 6.1 |
| NE | | 2.1 | 6.2 | 1.4 | | | | | | | | 10.4 | 7.8 |
| NNE | | 5.4 | 2.2 | 15.4 | | | | | | | | 42.7 | 9.6 |
| E | | 2.2 | 16.7 | 14.8 | | | | | | | | 37.4 | 9.9 |
| ESE | | | 1.1 | | | | | | | | | 2.5 | |
| SE | | | | | | | | | | | | .1 | 7.2 |
| SSE | | | | | | | | | | | | .1 | 7.2 |
| S | | | | | | | | | | | | .2 | 7.2 |
| SSW | | | | | | | | | | | | .1 | 7.2 |
| SW | | | | | | | | | | | | .1 | 7.2 |
| WSW | | | | | | | | | | | | .1 | 7.2 |
| W | | | | | | | | | | | | .2 | 7.2 |
| WNW | | | | | | | | | | | | .1 | 7.2 |
| NW | | | | | | | | | | | | .1 | 7.2 |
| NNW | | | | | | | | | | | | .1 | 7.2 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.1 | |
| | 2.2 | 16.2 | 46.2 | 32.1 | 1.0 | | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 2485

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1980 AVE MONTH NOV

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | | | | | | | | | | | | .3 | 7.0 |
| NNE | | | .3 | | | | | | | | | .1 | 7.0 |
| NE | 1.0 | 2.0 | 2.3 | 1.0 | .3 | | | | | | | 7.7 | 6.6 |
| ENE | 1.0 | 7.1 | 11.6 | 7.7 | | | | | | | | 26.8 | 8.5 |
| E | 1.0 | 11.9 | 26.5 | 11.9 | .3 | | | | | | | 52.3 | 8.5 |
| ESE | 1.0 | | 1.3 | .3 | | | | | | | | 3.2 | 6.3 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | .1 | 2.0 |
| SSW | | | | | | | | | | | | .1 | 2.0 |
| SW | | | | | | | | | | | | .1 | 2.0 |
| WSW | | | | | | | | | | | | 1.0 | 3.2 |
| W | | | | | | | | | | | | .5 | 2.5 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | | 27.2 | 42.3 | 31.0 | .6 | | | | | | | 110.7 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 112

SMOS

U.S. GPO 1984-741-348-201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAJORE BAY, HI STATION NAME KAJORE YEARS 1950 MONTH ALL
CLASS ALL WEATHER
CONDITION ALL

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | 1.0 | 6.0 | 1.0 | 1.0 | | | | | | | | 7.7 | 5.8 |
| NNE | 2.0 | 6.1 | 1.1 | 7.1 | | | | | | | | 12.0 | 8.2 |
| E | | 13.2 | 20.6 | 8.8 | | | | | | | | 45.2 | 7.8 |
| ESE | | 1.3 | 1.6 | | | | | | | | | 2.9 | 2.0 |
| SE | | | | | 1.7 | | | | | | | 1.7 | 2.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | 1.0 | | | | | | | | | | | 1.0 | 2.0 |
| WSW | | | | | | | | | | | | 1.0 | 1.7 |
| W | | | | | | | | | | | | 1.0 | 1.5 |
| WNW | | | 1.7 | | | | | | | | | 1.7 | 1.5 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.7 | |
| | 11.0 | 25.2 | 35.0 | 15.8 | 1.7 | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 210

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEAR 77-82 MONTH AUG
 ALL WEATHER
 CLIM
 CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 7 | | | | | | | | | | 0.6 | 3.5 |
| NNE | | | | | | | | | | | | 1.3 | 7.5 |
| NE | 1.1 | 3.2 | 5.2 | 3 | | | | | | | | 10.0 | 4.5 |
| NNE | 3 | 6 | 17.4 | 1.3 | 3 | | | | | | | 35.0 | 5.2 |
| E | | 3 | 23 | 11.3 | 1.0 | | | | | | | 40.3 | 5.6 |
| ESE | | 1.1 | 1.3 | 1.3 | | | | | | | | 3.9 | 4.5 |
| SE | | | | | | | | | | | | 0.1 | 5.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | 0.1 | 4.0 |
| SSW | | | | | | | | | | | | | |
| SW | 1.1 | | | | | | | | | | | 1.0 | 2.5 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | 0.6 | 2.5 |
| WNW | | | 6 | | | | | | | | | 1.0 | 4.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | 0.1 | 1.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 4.0 | 17.1 | 28.7 | 23.2 | 1.3 | | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAULDE RAY, HI STATION NAME MAULDE RAY, HI YEARS 11-67 MONTHS ALL
CLASS ALL WEATHER
OBSERVATION 11
HOURS (LST) 11

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 5.0 |
| NNE | | 2.2 | 1.3 | | | | | | | | | 1.2 | 7.6 |
| NE | | 4.5 | 7.7 | 1.6 | | | | | | | | 15.4 | 7.5 |
| NNE | | 8.3 | 13.4 | 12.7 | 1.7 | | | | | | | 41.6 | 12.4 |
| E | | 1.1 | 12.0 | 13.5 | 1.6 | | | | | | | 20.0 | 10.6 |
| ESE | | | 2.2 | 1.6 | | | | | | | | 4.2 | 8.8 |
| SE | | | | | | | | | | | | 1.7 | 9.7 |
| SSE | | | | | | | | | | | | 1.1 | 10.0 |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | 1.1 | 14.0 |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | 1.1 | 5.0 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | 1.5 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.1 | 10.1 | 45.5 | 33.9 | 2.6 | | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 110

8108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MC CORMACK ISLAND, HI STATION NAME 22-82 YEARS 1964-1965 AVE 14
 ALL FAIR HOURS (L & P) 14
 CONDITION FAIR

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 1.0 | 0.0 | | | | | | | | | 1.0 | 6.8 |
| NNE | | 1.3 | 5.0 | | | | | | | | | 7.1 | 7.7 |
| NE | 0.3 | 8.5 | 12.6 | 2.9 | | | | | | | | 20.3 | 11.1 |
| ENE | 0.4 | 5.8 | 17.1 | 2.3 | 1.3 | | | | | | | 45.2 | 10.2 |
| E | | 1.0 | 1.1 | 11.0 | | | | | | | | 20.0 | 11.0 |
| ESE | | 0.0 | 1.0 | 1.0 | | | | | | | | 2.3 | 10.0 |
| SE | | | 0.0 | 1.0 | | | | | | | | 1.0 | 11.2 |
| SSE | | | | | | | | | | | | | |
| S | | | 0.0 | | | | | | | | | 0.3 | 7.0 |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | 0.0 | | 0.7 | | | | | | | | | 0.7 | 6.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | 0.7 | 5.0 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.0 | |
| | 1.0 | 14.2 | 46.5 | 36.1 | 1.3 | | | | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22-14 KANAWHA BAY, MT STATION NAME 22-92 YEARS AND MONTHS
ALL WEATHER 17
 CLASS 17
 CONDITION 17
 HOURS (LST) 17

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 3.3 |
| NNE | | | | | | | | | | | | 5.2 | 6.1 |
| NE | | | | | | | | | | | | 22.6 | 7.9 |
| NNE | | | | | | | | | | | | 48.2 | 1.7 |
| E | | | | | | | | | | | | 24.2 | .9 |
| ESE | | | | | | | | | | | | .7 | 4.1 |
| SE | | | | | | | | | | | | .7 | 5.0 |
| SSE | | | | | | | | | | | | .7 | 5.0 |
| S | | | | | | | | | | | | .7 | 5.0 |
| SSW | | | | | | | | | | | | .7 | 5.0 |
| SW | | | | | | | | | | | | .7 | 5.0 |
| WSW | | | | | | | | | | | | .7 | 5.0 |
| W | | | | | | | | | | | | .7 | 5.0 |
| WNW | | | | | | | | | | | | .7 | 5.0 |
| NW | | | | | | | | | | | | .7 | 5.0 |
| NNW | | | | | | | | | | | | .7 | 5.0 |
| VARIABLE | | | | | | | | | | | | .7 | 5.0 |
| CALM | | | | | | | | | | | | .7 | 5.0 |
| | 2.6 | 23.2 | 13.3 | 28.7 | 1.3 | | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 316

SMOS

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KA COLE BAY, MT DATE 11-62 YEAR 1962 MONTH AUG
ALL WEATHER
CLAS
ORIGIN
20
HOURE (LST)

| SPEED
(KNOTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|--------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | 1.0 | 1.0 | | | | | | | | | 1.0 | 5.8 |
| NE | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | | | 11.0 | 7.7 |
| ENE | 1.0 | 1.0 | 2.0 | 12.0 | 1.0 | | | | | | | 18.0 | 9.0 |
| E | 1.0 | 1.0 | 23.5 | 1.0 | 1.0 | | | | | | | 26.0 | 7.3 |
| ESE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 6.5 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | 2.0 |
| WSW | | | | | | | | | | | | | 8.0 |
| W | | | | | | | | | | | | | 12.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.5 | 15.5 | 31.0 | 23.2 | 1.0 | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 117

BR05

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-10 KANAWHA BAY, MT STATION NAME 73-62 YEARS 1957
CLASS ALL WEATHER
CONDITION 27
HOURS (L.S.T.) 27

| SPEED
(KNOTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|--------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 310

SNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAHOOLAWE BAY, HI STATION NAME KAHOOLAWE BAY, HI YEAR 1963 MONTH AUG
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | | 5.4 |
| NNE | | 1.3 | 1.3 | | | | | | | | | 2.6 | 6.5 |
| NE | 1.2 | 3.7 | 6.4 | 1.5 | | | | | | | | 12.8 | 7.4 |
| NNE | 1.3 | 3.7 | 17.1 | 12.7 | .5 | | | | | | | 37.2 | 9.4 |
| E | | 6.2 | 18.7 | 11.8 | .7 | | | | | | | 37.4 | 9.3 |
| ESE | | | 1.1 | .5 | | | | | | | | 2.1 | 7.7 |
| SE | | | 1 | .1 | .0 | | | | | | | .2 | 1.6 |
| ESE | | | .2 | .2 | | | | | | | | .1 | 6.5 |
| S | | | .2 | | | | | | | | | .2 | 3.6 |
| SSW | | | .0 | .2 | | | | | | | | .2 | 4.4 |
| SW | | | | | | | | | | | | .2 | 2.2 |
| WSW | | | .1 | | | | | | | | | .4 | 2.8 |
| W | | | .1 | | | | | | | | | .4 | 3.8 |
| WNW | | | .1 | .2 | | | | | | | | .2 | 4.6 |
| NW | | | | | | | | | | | | | |
| NNW | .1 | .2 | .2 | | | | | | | | | .1 | 5.1 |
| CALM | | | | | | | | | | | | | |
| | 1.2 | 10.3 | 45.2 | 26.1 | 1.7 | | | | | | | 10.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 2420

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MALEDONE BAY, HI STATION NAME MALEDONE BAY, HI YEARS 11-82 MONTH SEP
CLASS ALL WEATHER MONTH SEP
CONDITION MONTH SEP

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | 1.7 | 3.3 | | | | | | | | | 1.7 | 5.5 |
| N E | | 1.7 | 1.7 | | | | | | | | | 3.7 | 6.1 |
| ENE | 1.7 | 7.4 | 17.4 | 6.4 | | | | | | | | 25.4 | 9.1 |
| E | | 15.1 | 24.1 | 6.4 | 3.3 | | | | | | | 47.5 | 7.8 |
| ESE | | 7.4 | 7.4 | 1.7 | | | | | | | | 7.4 | 7.5 |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | 1.7 | 2.6 |
| S | | | | | | | | | | | | 1.7 | 1.3 |
| SSW | | | | | | | | | | | | 1.7 | 1.3 |
| SW | | | 3.3 | | | | | | | | | 1.7 | 1.3 |
| WSW | | | 1.7 | | | | | | | | | 1.7 | 1.3 |
| W | | | 7.4 | | | | | | | | | 1.7 | 3.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | 1.7 | 5.0 |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.0 | |
| | | 22.4 | 32.5 | 14.0 | 3.3 | | | | | | | 10.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILSON BAY, MI STATION NAME WILSON BAY YEAR 1980 CP 10
 NORTH 10
 ALL WEATHER ALL WEATHER
 CLAS CLAS
 CONDITION CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | 1.1 | 2.0 |
| NE | | 1.3 | 1.3 | 1.3 | | | | | | | | 4.0 | 4.4 |
| ENE | 2.3 | 2.4 | 14.4 | 3.3 | | | | | | | | 27.4 | 7.5 |
| E | 2.2 | 12.4 | 21.7 | 5.7 | 1.3 | | | | | | | 44.5 | 7.5 |
| ESE | | 2.6 | | | | | | | | | | 5.3 | 5.3 |
| SE | | | | | | | | | | | | 1.1 | 2.1 |
| SSE | 1.1 | | | | | | | | | | | 1.1 | 2.1 |
| S | 1.3 | 1.3 | | | | | | | | | | 1.7 | 2.4 |
| SSW | | 1.1 | | | | | | | | | | 1.7 | 1.7 |
| SW | | 1.1 | | | | | | | | | | 1.7 | 1.7 |
| WSW | | 1.3 | 1.3 | | | | | | | | | 1.1 | 4.7 |
| W | 1.1 | 1.1 | | | | | | | | | | 1.0 | 3.3 |
| WNW | | 1.1 | | | | | | | | | | 1.1 | 4.7 |
| NW | | 1.1 | | | | | | | | | | 1.1 | 4.7 |
| NNW | | 1.1 | | | | | | | | | | 1.1 | 3.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.7 | |
| | 13.0 | 2.1 | 38.5 | 8.4 | 1.3 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 239

2105

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-1-1 LA FOLLE BAY, HI STATION NAME 12-62 YEARS 1962 MONTH DEC

ALL WEATHER CLASS ALL CONDITION ALL

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----------------------|
| N | | | | | | | | | | | | 1.0 | 1.0 |
| NNE | | | | | | | | | | | | 1.0 | 1.0 |
| NE | | | | | | | | | | | | 1.0 | 1.0 |
| ENE | | | | | | | | | | | | 1.0 | 1.0 |
| E | | | | | | | | | | | | 1.0 | 1.0 |
| ESE | | | | | | | | | | | | 1.0 | 1.0 |
| SE | | | | | | | | | | | | 1.0 | 1.0 |
| SSE | | | | | | | | | | | | 1.0 | 1.0 |
| S | | | | | | | | | | | | 1.0 | 1.0 |
| SSW | | | | | | | | | | | | 1.0 | 1.0 |
| SW | | | | | | | | | | | | 1.0 | 1.0 |
| WSW | | | | | | | | | | | | 1.0 | 1.0 |
| W | | | | | | | | | | | | 1.0 | 1.0 |
| WNW | | | | | | | | | | | | 1.0 | 1.0 |
| NW | | | | | | | | | | | | 1.0 | 1.0 |
| NNW | | | | | | | | | | | | 1.0 | 1.0 |
| VARB | | | | | | | | | | | | 1.0 | 1.0 |
| CALM | | | | | | | | | | | | 1.0 | 1.0 |
| | | | | | | | | | | | | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1964-1965 CLIM CLIM HOURS (LST) 11

CONDITION CLIM

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | | 1.7 | 1.7 | | | | | | | | | 3.4 | 5.7 |
| NNE | | 1.7 | 2.3 | | | | | | | | | 4.0 | 6.9 |
| NE | | 1.7 | 6.4 | 2.3 | | | | | | | | 12.4 | 7.0 |
| ENE | 1.7 | 1.7 | 15.1 | 14.4 | 1.7 | | | | | | | 38.1 | 7.0 |
| E | | 1.7 | 1.7 | 14.4 | 2.3 | | | | | | | 20.6 | 11.2 |
| ESE | | | 2.3 | 2.7 | | | | | | | | 5.0 | 10.7 |
| SE | | | 1.7 | 1.7 | | | | | | | | 3.4 | 1.8 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.7 | 1.7 | 30.5 | 33.4 | 3.7 | | | | | | | 70.3 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 11

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PALEONE BAY, HI STATION NAME PALEONE BAY, HI YEARS 1980-81 SLP 10
DIRECTION ALL WEATHER CLASS ALL WEATHER MONTH SEP
CONDITION ALL WEATHER HOURS (LST) 10

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.7 | 1.7 | | | | | | | | | 3.3 | 6.1 |
| NNE | | 4.0 | 1.7 | | | | | | | | | 12.0 | 1.0 |
| NE | | 5.0 | 11.7 | 3.3 | | | | | | | | 20.0 | 7.3 |
| ENE | | 3.3 | 16.7 | 15.1 | 1.7 | | | | | | | 36.0 | 9.9 |
| E | | 1.7 | 5.0 | 5.7 | 1.7 | | | | | | | 20.0 | 10.1 |
| ESE | | | | 1.7 | 1.7 | | | | | | | 4.0 | 10.9 |
| SE | | | | | | | | | | | | 1.7 | 5.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | 1.7 | 2.0 |
| NNW | | | | | | | | | | | | 1.7 | 1.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.0 | |
| | 2.1 | 17.4 | 47.2 | 30.8 | 2.0 | | | | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 109

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS BAY, VT STATION NAME WATKINS BAY, VT YEAR 1960 REF 17
ALL WEATHER
CLIM
DESCRIPTION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 2.7 | 5.3 |
| NNE | | | | | | | | | | | | 6.4 | 6.2 |
| NE | | | | | | | | | | | | 17.8 | 7.5 |
| NNE | | | | | | | | | | | | 45.2 | 8.7 |
| E | | | | | | | | | | | | 23.7 | 10.3 |
| ESE | | | | | | | | | | | | 1.3 | 7.8 |
| SE | | | | | | | | | | | | .5 | 7.0 |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | 1.7 | 1.3 |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.7 | 25.8 | 47.8 | 22.4 | 1.7 | | | | | | | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 109

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RA FOLF BAY, MT STATION NAME RA FOLF BAY, MT YEARS 73-82 MONTH SEP
 ALL WEATHER CLASS ALL WEATHER
 CONDITION ALL WEATHER
 HOURS (L.S.T.) 00-23

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 1.0 |
| NNE | | 1.3 | 2.7 | | | | | | | | | 2.0 | 5.3 |
| NE | 1.0 | 3.3 | 2.7 | 1.0 | | | | | | | | 5.0 | 6.7 |
| NNE | 1.0 | 4.0 | 2.7 | 6.7 | 3.3 | | | | | | | 34.4 | 8.7 |
| E | 1.0 | 5.7 | 24.7 | 11.7 | | | | | | | | 48.0 | 8.7 |
| ESE | | 1.0 | 2.7 | | | | | | | | | 2.0 | 5.2 |
| SE | | | | | | | | | | | | 2.0 | 5.0 |
| SSE | | | | | | | | | | | | 2.0 | 5.0 |
| S | | | | | | | | | | | | 2.0 | 5.0 |
| SSW | | | | | | | | | | | | 2.0 | 5.0 |
| SW | | | | | | | | | | | | 2.0 | 5.0 |
| WSW | | | | | | | | | | | | 2.0 | 5.0 |
| W | | | | | | | | | | | | 2.0 | 5.0 |
| WNW | 2.0 | 3.0 | 3.0 | | | | | | | | | 1.0 | 5.3 |
| NW | | | | | | | | | | | | 2.0 | 5.0 |
| NNW | | | | | | | | | | | | 2.0 | 5.0 |
| VARBL | | | | | | | | | | | | 3.3 | |
| CALM | | | | | | | | | | | | 3.3 | |
| | 1.0 | 21.4 | 41.5 | 12.4 | 3.3 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAFOE BAY, HI STATION NAME 73-82 YEARS SEP
MONTH 21
HOURS (L.S.T.) 21
ALL WEATHER
CLAS
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | 1.0 | 7.7 |
| NE | | | 1.7 | | | | | | | | | 5.4 | 5.1 |
| ENE | | | 15.7 | 6.4 | 1.7 | | | | | | | 25.1 | 2.1 |
| E | 1.7 | 11.7 | 26.1 | 9.7 | | | | | | | | 49.7 | 6.3 |
| ESE | 1.7 | 1.7 | 1.7 | | | | | | | | | 4.0 | 5.0 |
| SE | | | | | | | | | | | | 7.7 | 7.0 |
| SSE | | | | | | | | | | | | 7.7 | 13.0 |
| S | 1.0 | | | 3.3 | | | | | | | | 1.7 | 1.7 |
| SSW | 1.0 | 3.3 | | | | | | | | | | 1.7 | 3.5 |
| SW | 7.7 | 1.0 | 7.7 | | | | | | | | | 2.1 | 4.5 |
| WSW | | | | | | | | | | | | 7.7 | 4.0 |
| W | | | 3.3 | | | | | | | | | 7.7 | 3.0 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | 3.0 |
| NNW | | | | | | | | | | | | | |
| VARL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 21.7 | 45.7 | 16.4 | 1.0 | | | | | | | 10.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 219

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-10 KANAWHA RAY, MT STATION NAME 77-82 YEARS SEP
MONTH SEP
ALL WEATHER CLASS ALL
HOURS (L.S.T.) ALL
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | 1.5 | 5.4 |
| NNE | | | | | | | | | | | | 3.2 | 6.5 |
| NE | | | | | | | | | | | | 9.7 | 7.3 |
| ENE | | | | | | | | | | | | 13.3 | 6.9 |
| E | | | | | | | | | | | | 37.3 | 8.9 |
| ESE | | | | | | | | | | | | 4.1 | 5.1 |
| SE | | | | | | | | | | | | 5.5 | 6.2 |
| SSE | | | | | | | | | | | | 2.2 | 5.2 |
| S | | | | | | | | | | | | 5.4 | 2.7 |
| SSW | | | | | | | | | | | | 7.7 | 3.7 |
| SW | | | | | | | | | | | | 9.0 | 4.1 |
| WSW | | | | | | | | | | | | 5.5 | 4.0 |
| W | | | | | | | | | | | | 4.4 | 4.1 |
| WNW | | | | | | | | | | | | 5.5 | 4.8 |
| NW | | | | | | | | | | | | 5.1 | 4.3 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.7 | |
| | 1.6 | 21.0 | 44.0 | 20.5 | 1.2 | | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 2302

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KATONAH BAY, HI STATION NAME 13-32 YEARS OCT
ALL WEATHER MONTH 32
GLASS HOUR (L.S.T.)
ORIGINATOR

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 2.5 | 7.5 |
| NNE | | | 1.4 | | | | | | | | | 1.4 | 8.4 |
| NE | | 1.4 | 1.4 | | | | | | | | | 2.8 | 5.8 |
| ENE | 1.4 | 1.4 | 2.1 | 3.5 | | | | | | | | 16.7 | 7.7 |
| E | 2.7 | 7.7 | 23.5 | 13.5 | | | | | | | | 47.1 | 8.9 |
| ESE | | 3 | 1.4 | 1.4 | | | | | | | | 3.4 | 9.7 |
| SE | | | | | | | | | | | | 3 | 10.0 |
| SSE | 1.4 | | | | | | | | | | | 1.4 | 4.2 |
| S | | | | | | | | | | | | 1.4 | 3.5 |
| SSW | | 1.4 | | | | | | | | | | 1.4 | 4.2 |
| SW | 1.4 | | | | | | | | | | | 1.4 | 3.2 |
| WSW | 1.4 | | | | | | | | | | | 2.5 | 2.6 |
| W | | 1.4 | 7 | | | | | | | | | 2.3 | 5.1 |
| WWW | 1.4 | 3 | 3 | | | | | | | | | 2.3 | 3.6 |
| NW | | | | | | | | | | | | 1.0 | 3.3 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.5 | |
| | 11.2 | 20.3 | 13.7 | 18.1 | | | | | | | | 10.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 711

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION VAUGHN RAY, MI STATION NAME VAUGHN RAY, MI YEARS 77-82 DATE 08/11/82
 ALL WEATHER CLASS ALL HOUR (L.S.T.) 0000
 CONDITION ALL

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 7.7 |
| NNE | | | | | | | | | | | | 1.0 | 7.6 |
| NE | 1.0 | 1.0 | 1.0 | | | | | | | | | 4.5 | 5.1 |
| ENE | 1.0 | 4.0 | 6.0 | 3.5 | .3 | | | | | | | 17.1 | 8.0 |
| E | 3.0 | 10.0 | 17.7 | 13.5 | | | | | | | | 45.5 | 8.5 |
| ESE | 1.0 | 1.0 | 3.0 | 1.0 | | | | | | | | 4.5 | 7.4 |
| SE | | | | | | | | | | | | .1 | 1.0 |
| SSE | | | | | | | | | | | | .1 | 3.0 |
| S | 1.0 | | | .3 | | | | | | | | 2.3 | 4.0 |
| SSW | 1.0 | | | | | | | | | | | 1.0 | 2.3 |
| SW | 1.0 | | | | | | | | | | | 2.3 | 2.0 |
| WSW | 1.0 | | | | | | | | | | | 2.0 | 2.0 |
| W | 1.0 | | | | | | | | | | | 1.0 | 2.5 |
| WNW | | | | | | | | | | | | .6 | 3.5 |
| NW | | | | | | | | | | | | 1.0 | 3.3 |
| NNW | | | | | | | | | | | | .1 | 2.0 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.3 | |
| | 1.0 | 22.0 | 25.0 | 13.7 | .3 | | | | | | | 10.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLAR

MOON (L.S.T.)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RALEIGH BAY, HI STATION NAME 17-32 YEARS 201
MONTH 05
NUMBER (L.S.T.) 05
CLASS ALL WEATHER
ORIGIN

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | 1 | | | | | | | | | 1.5 | 6.0 |
| NNE | | 1 | | 1 | | | | | | | | 1.5 | 7.3 |
| NE | | 2 | 2 | 1 | | | | | | | | 3.5 | 7.0 |
| NNE | 7 | 5 | 11 | 4 | 1 | | | | | | | 24.5 | 8.7 |
| E | | | 17 | 13 | 1 | | | | | | | 31.1 | 9.8 |
| ESE | | | 1 | 1 | | | | | | | | 3.5 | 5.2 |
| SE | | | 1 | | | | | | | | | 1.5 | 6.6 |
| SSE | | | | 2 | | | | | | | | 1.0 | 5.3 |
| S | | 1 | | 2 | | | | | | | | 3.5 | 6.2 |
| SSW | | 1 | 1 | | | | | | | | | 1.5 | 3.6 |
| SW | 1 | | | | | | | | | | | 1.5 | 2.6 |
| WSW | 1 | | | | | | | | | | | 1.5 | 1.7 |
| W | 1 | | | | | | | | | | | 1.5 | 2.3 |
| WNW | | | | | | | | | | | | 1.5 | 4.0 |
| NW | | | | | | | | | | | | 1.5 | 4.5 |
| NNW | | | | | | | | | | | | 1.5 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.4 | |
| | 10.3 | 1.7 | 36.4 | 21.9 | 1.5 | | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 21 PANAMA BAY, HI STATION NAME 77-85 YEARS 807
ALL WEATHER CLASS 11
000000 OBSERVATION HOURS (LST)

| SPEED
(KNOTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|--------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | 1.0 | | | | | | | | | 2.2 | 6.4 |
| NNE | 1.7 | 2.0 | 2.3 | .6 | | | | | | | | 8.1 | 6.2 |
| NH | | 4.5 | 5.0 | .4 | | | | | | | | 11.3 | 6.6 |
| NNE | | 2.4 | 11.3 | 13.5 | .3 | | | | | | | 26.4 | 10.3 |
| E | .3 | 1.0 | 11.6 | 18.0 | 1.6 | | | | | | | 34.8 | 11.2 |
| ESE | .7 | .3 | 2.0 | 3.2 | .3 | | | | | | | 7.1 | 1.7 |
| SE | | | .0 | .3 | | | | | | | | 1.0 | 0.8 |
| ESE | | | .6 | | | | | | | | | 1.0 | 0.0 |
| S | | | | | | | | | | | | 1.0 | 4.3 |
| SSW | | | | | | | | | | | | 1.0 | 7.7 |
| SW | | | | | | | | | | | | .3 | 4.0 |
| WSW | | | | | | | | | | | | .3 | 4.0 |
| W | | .3 | | | | | | | | | | .3 | 3.5 |
| WNW | | | | | | | | | | | | .3 | 2.0 |
| NW | | | | | | | | | | | | .3 | 2.0 |
| NNW | | | | | | | | | | | | 1.0 | 3.3 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 3.0 | 17.7 | 30.4 | 37.4 | 2.3 | | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 210

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

STATION NAME

YEARS

YEARS

MOON

MOON

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 1.0 | 1.0 | .3 | | | | | | | | 3.3 | 5.7 |
| NNE | | 1.0 | 4.0 | .3 | | | | | | | | 5.3 | 6.5 |
| NE | | 4.2 | 7.7 | 1.9 | | | | | | | | 14.5 | 7.7 |
| ENE | | 1.0 | 17.7 | 12.6 | .6 | | | | | | | 36.5 | 10.0 |
| E | | 2.3 | 7.7 | 12.9 | 1.0 | | | | | | | 24.0 | 11.0 |
| ESE | | 1.0 | 1.0 | 2.3 | | | | | | | | 4.3 | 1.4 |
| SE | | | | .7 | | | | | | | | .6 | 5.0 |
| SSE | | | | | | | | | | | | 1.3 | 5.5 |
| S | | | | | | | | | | | | .3 | 4.0 |
| SSW | | | 1.0 | .3 | | | | | | | | 1.3 | 5.6 |
| SW | | | | .7 | | | | | | | | .3 | 6.5 |
| WSW | | | | | | | | | | | | .3 | 5.0 |
| W | | 1.0 | | | | | | | | | | .6 | 4.0 |
| WNW | | | | | | | | | | | | .3 | 2.5 |
| NW | | | | | | | | | | | | .3 | 1.0 |
| NNW | | 1.0 | .7 | .3 | | | | | | | | 1.3 | 5.7 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .0 | |
| | 3.5 | 1.0 | 44.0 | 31.6 | 1.6 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS

12

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAUAI BAY, HI STATION NAME KAUAI BAY YEAR 1957 MONTH OCT

CLASS ALL FATHOM HOURS (L.S.T.) 17

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.7 | 1.7 | .3 | | | | | | | | 3.0 | 5.5 |
| NNE | .1 | 7.2 | 2.2 | .6 | | | | | | | | 6.0 | 6.7 |
| NE | .1 | 5.5 | 5.2 | .3 | .6 | | | | | | | 13.0 | 7.0 |
| ENE | .1 | 5.5 | 10.8 | 1.6 | .3 | | | | | | | 17.4 | 7.2 |
| E | .1 | 4.2 | 7.1 | 11.3 | 1.3 | | | | | | | 24.1 | 10.7 |
| ESE | .1 | .1 | 2.4 | 1.3 | | | | | | | | 4.2 | 5.8 |
| SE | | | | | | | | | | | | .3 | 7.2 |
| SSE | | | | | | | | | | | | .1 | 5.0 |
| S | | | 1.1 | | | | | | | | | 1.7 | .5 |
| SSW | | | .7 | | | | | | | | | .1 | 5.5 |
| SW | | | | .1 | | | | | | | | .1 | 11.0 |
| WSW | .1 | .3 | | | | | | | | | | .1 | 3.0 |
| W | | | | | | | | | | | | | |
| WNW | | .1 | | | | | | | | | | .1 | 6.0 |
| NW | .1 | .3 | .3 | | | | | | | | | 1.7 | 4.3 |
| NNW | .1 | .1 | .6 | | | | | | | | | 1.3 | 1.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | .1 | 22.0 | 43.5 | 24.8 | 2.3 | | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 717

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PAULINE BAY, HI STATION NAME PAULINE BAY YEARS 1950-1951 DIST 27
ALL WEATHER
GLASS
CONDITION
MOON (LST)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.0 | 1.0 | | | | | | | | | 1.0 | 4.4 |
| NNE | | 2.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 4.7 |
| NE | | 2.0 | 1.0 | 1.0 | | | | | | | | 5.0 | 4.7 |
| ENE | 3.0 | 4.0 | 11.0 | 7.1 | | | | | | | | 27.4 | 4.2 |
| E | 1.0 | 1.0 | 2.0 | 15.0 | 1.0 | | | | | | | 48.0 | 4.5 |
| ESE | | 1.0 | 1.0 | 1.0 | | | | | | | | 4.5 | 4.5 |
| SE | | | | | | | | | | | | 3.0 | 4.0 |
| SSE | | | | | | | | | | | | 3.0 | 4.0 |
| S | | | | | | | | | | | | 1.0 | 4.2 |
| SSW | | | | | | | | | | | | 1.0 | 4.0 |
| SW | | | | | | | | | | | | 1.0 | 4.5 |
| WSW | | 1.0 | | | | | | | | | | 1.0 | 4.0 |
| W | | | | | | | | | | | | 1.0 | 3.7 |
| WNW | | | | | | | | | | | | 1.0 | 3.0 |
| NW | | | | | | | | | | | | 1.0 | 5.0 |
| NNW | | | | | | | | | | | | 1.0 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 23.0 | 3.0 | 25.0 | 1.0 | | | | | | | 1.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RAVENS CAY, HI STATION NAME RAVENS CAY YEARS 1950-51 MONTH 10
CLASS ALL FAIR HOURS (LST) 2
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 1.0 |
| NNE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 5.6 |
| NE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 6.3 |
| ENE | 1.0 | 1.0 | 2.0 | 4.0 | | | | | | | | 8.0 | 6.3 |
| E | 1.0 | 1.0 | 2.0 | 4.0 | 1.0 | | | | | | | 10.0 | 6.3 |
| ESE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 6.3 |
| SE | | | | | | | | | | | | | 4.0 |
| SSE | | | | | | | | | | | | 1.0 | 5.6 |
| S | | | | | | | | | | | | 1.0 | 5.6 |
| SSW | | | | | | | | | | | | 1.0 | 5.6 |
| SW | | | | | | | | | | | | 1.0 | 5.6 |
| WSW | | | | | | | | | | | | 1.0 | 5.6 |
| W | | | | | | | | | | | | 1.0 | 5.6 |
| WNW | | | | | | | | | | | | 1.0 | 5.6 |
| NW | | | | | | | | | | | | 1.0 | 5.6 |
| NNW | | | | | | | | | | | | 1.0 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | 5.6 |
| | 1.0 | 2.0 | 3.0 | 2.0 | 1.0 | | | | | | | 10.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 100

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KALAMOGUE BAY, HI STATION NAME 11-31 YEAR 1967 MONTH ALL

CLASS ALL WEATHER

CONDITION NOON (L.S.T.)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2 | | | 1 | | | | | | | | 1.0 | 5.3 |
| NNE | 4 | 1 | 1 | 4 | | | | | | | | 4.5 | 6.6 |
| NE | | | 3 | 7 | 1 | | | | | | | 11.2 | 6.7 |
| ENE | 1 | 2 | 12 | 1 | 7 | 3 | | | | | | 26.4 | 4.9 |
| E | 1 | 1 | 16 | 5 | 14 | 5 | 7 | | | | | 78.7 | 9.7 |
| ESE | | | 1 | 2 | 1 | 5 | 0 | | | | | 8.9 | 7.3 |
| SE | | | | 2 | 1 | | | | | | | 3 | 5.4 |
| SSE | | | | 2 | | | | | | | | 4 | 5.4 |
| S | | | | 2 | 1 | | | | | | | 3 | 4.9 |
| SSW | | | | 2 | 1 | | | | | | | 3 | 4.7 |
| SW | | | | 2 | 1 | | | | | | | 3 | 3.7 |
| WSW | | | | 2 | | | | | | | | 3 | 3.0 |
| W | | | | | | | | | | | | 3 | 3.5 |
| WNW | | | | | | | | | | | | 3 | 3.2 |
| NW | | | | 1 | | | | | | | | 1 | 4.3 |
| NNW | | | | 2 | | | | | | | | 2 | 4.7 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1 | 2 | 36 | 4 | 25 | 1 | 1 | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAHOOLA RAY, HI STATION NAME KAHOOLA RAY, HI YEARS 1971-82 MONTH NOV
CLASS ALL WEATHER HOURS (LST) 00
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | .7 | | | | | | | | 1.7 | 12.3 |
| NNE | 1.0 | | .7 | .7 | | | | | | | | 2.7 | 5.6 |
| NE | .7 | | 2.3 | .3 | | | | | | | | 5.7 | 6.0 |
| ENE | | .7 | 5.4 | 4.7 | .7 | | | | | | | 13.7 | 6.7 |
| E | 1.7 | 7.0 | 16.7 | 13.7 | 2.0 | | | | | | | 46.5 | 11.5 |
| ESE | | 1.0 | 2.7 | 1.0 | | | | | | | | 4.7 | 8.0 |
| SE | | | .7 | | | | | | | | | .7 | 7.0 |
| SSE | | | .7 | | | | | | | | | .7 | 7.5 |
| S | 1.7 | | 1.7 | .3 | | | | | | | | 3.7 | 6.6 |
| SSW | 1.7 | 1.0 | .7 | | | | | | | | | 3.7 | 9.7 |
| SW | .7 | 1.0 | | | | | | | | | | 2.7 | 3.7 |
| WSW | .7 | .7 | | | | | | | | | | 4.0 | 3.7 |
| W | .7 | .7 | .3 | .7 | | | | | | | | 3.7 | 4.9 |
| WNW | .7 | | | | | | | | | | | .7 | 2.0 |
| NW | | | | | | | | | | | | | |
| NNW | | | | .7 | | | | | | | | .7 | 14.5 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.7 | |
| | 13.7 | 19.4 | 3.4 | 21.1 | 2.3 | | | | | | | 100.7 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 249

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEARS 1955 MONTH NOV
 ALL WEATHER
 CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | 3 | | | | | | | | 1.0 | 10.7 |
| NNE | | | 1 | 3 | | | | | | | | 2.0 | 1.5 |
| NE | | | | | | | | | | | | 5.0 | 1.6 |
| NNE | | 1 | | | 3 | | | | | | | 17.7 | 9.1 |
| E | | 1 | 15 | 1 | 1 | | | | | | | 13.0 | 9.3 |
| ESE | | 1 | 2 | 7 | | | | | | | | 4.0 | 7.7 |
| SE | | | | 7 | | | | | | | | 2.0 | 7.8 |
| SSE | | | 1 | 3 | | | | | | | | 1.0 | 7.7 |
| S | | 1 | | 7 | | | | | | | | 3.0 | 4.9 |
| SSW | | 1 | 1 | | 7 | | | | | | | 4.0 | 5.1 |
| SW | 1 | | | | | | | | | | | 3.0 | 2.8 |
| WSW | | | | | | | | | | | | 3.0 | 2.0 |
| W | 1 | | | 3 | | | | | | | | 2.0 | 5.0 |
| WNW | | | 7 | | | | | | | | | 1.0 | 3.0 |
| NW | | | | | | | | | | | | 4.0 | 4.0 |
| NNW | | | | 1 | | | | | | | | 1.0 | 0.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.0 | |
| | 1.0 | 1.0 | 13.0 | 17.0 | 1.0 | | | | | | | 10.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 10

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RAVENS CREEK, NC STATION NAME RAVENS CREEK YEARS 73-81 MONTH NOV
CLASS ALL FAIR W
LOCATION RAVENS CREEK
NUMBER (L.S.T.) 73

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | 1.0 | | | 1.0 | 1.0 | | | | | | | 2.3 | 5.4 |
| NNE | | | 1.0 | 1.0 | | | | | | | | 3.0 | 7.7 |
| NE | | 2.0 | 1.0 | 1.0 | | | | | | | | 5.7 | 6.0 |
| ENE | 1.0 | 2.0 | 1.0 | 4.0 | 1.0 | | | | | | | 14.0 | 9.0 |
| E | | 2.0 | 1.0 | 1.0 | 1.0 | | | | | | | 7.0 | 10.4 |
| ESE | | 1.0 | 2.0 | 1.0 | | | | | | | | 6.0 | 8.9 |
| SE | | | | | | | | | | | | 1.3 | 6.8 |
| SSE | | | | 1.0 | | | | | | | | 1.0 | 4.2 |
| S | 1.0 | 1.0 | | | | | | | | | | 1.0 | 4.1 |
| SSW | 1.0 | | | | 1.0 | | | | | | | 1.3 | 5.4 |
| SW | 1.0 | | | | | | | | | | | 1.0 | 2.4 |
| WSW | | 1.0 | | | | | | | | | | 1.3 | 2.7 |
| W | | | | | | | | | | | | 2.7 | 2.6 |
| WNW | | 1.0 | | 1.0 | | | | | | | | 2.7 | 5.9 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.0 | |
| | 1.0 | 1.0 | 3.0 | 2.0 | 1.0 | | | | | | | 10.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 170

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KA-0001 D-1, MT YEAR 1983 MONTH NOV
STATION NAME ALL WEATHER CLASS 13
CONDITION HOUSE (L.S.T.)

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 2.7 | 4.7 | 1.3 | 1.3 | .3 | | | | | | | 10.0 | 6.1 |
| NNE | | 2.0 | 2.3 | .3 | | | | | | | | 5.3 | 7.0 |
| NE | | 2.7 | 5.7 | .7 | .3 | | | | | | | 9.1 | 7.7 |
| ENE | | 1.3 | 1.3 | 7.7 | 1.3 | | | | | | | 10.3 | 10.1 |
| E | | 2.7 | 5.7 | 16.7 | 3.0 | | | | | | | 27.3 | 12.1 |
| ESE | | | 4.7 | 3.0 | | | | | | | | 7.7 | 9.9 |
| SE | | | 1.3 | | | | | | | | | 2.3 | 6.1 |
| SSE | | | 1.3 | | .7 | | | | | | | 1.7 | 11.2 |
| S | | | 1.3 | .3 | | | | | | | | 1.0 | 6.7 |
| SSW | | | .3 | .3 | | | | | | | | 1.3 | 7.3 |
| SW | | 1.3 | | | | | | | | | | 2.0 | 3.7 |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | 1.0 | 5.0 |
| WNW | | | | .7 | | | | | | | | .3 | 16.0 |
| NW | | | | | | | | | | | | .7 | 4.0 |
| NNW | | 1.3 | .3 | .3 | | | | | | | | 1.7 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 7.7 | 19.0 | 33.7 | 29.7 | 5.0 | | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 100

MMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KALEONE BAY, HI STATION NAME KALEONE BAY, HI YEAR 73-80 MONTH NOV
CLASS ALL WEATHER HOURS (LST) 14
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.0 | 2.3 | 2.0 | 1.0 | 0.3 | | | | | | | 6.7 | 7.3 |
| NNE | 1.0 | 4.7 | 5.7 | 1.3 | | | | | | | | 12.7 | 7.3 |
| NE | 1.0 | 2.0 | 5.7 | 1.7 | | | | | | | | 11.3 | 7.7 |
| ENE | 1.0 | 4.7 | 12.0 | 2.7 | 2.0 | | | | | | | 28.7 | 9.6 |
| E | | 1.7 | 0.7 | 11.0 | 2.0 | | | | | | | 21.0 | 11.9 |
| ESE | | | 1.3 | 3.3 | | | | | | | | 7.7 | 9.8 |
| SE | | | 1.0 | 0.3 | | | | | | | | 2.0 | 1.7 |
| SSE | | | 0.7 | 0.3 | 0.3 | | | | | | | 2.0 | 1.7 |
| S | | | | 0.3 | | | | | | | | 1.7 | 7.4 |
| SSW | | | | 0.7 | 0.7 | | | | | | | 1.3 | 10.5 |
| SW | | | | 0.7 | | | | | | | | 0.7 | 0.0 |
| WSW | | | | | | | | | | | | 0.7 | 5.0 |
| W | | | | | | | | | | | | 0.3 | 3.0 |
| WNW | | | | | 0.7 | | | | | | | 0.7 | 13.0 |
| NW | | | | | | | | | | | | 0.7 | 3.0 |
| NNW | 1.0 | | 0.7 | 0.3 | | | | | | | | 1.7 | 5.2 |
| VARB. | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 0.3 | 10.3 | 30.7 | 29.0 | 5.0 | | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 710

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAHOOLA RAY, HI STATION NAME KAHOOLA RAY, HI YEARS 1931-32 MONTH NOV

ALL WEATHER CLASS 17
NUMBER (L.S.F.)

CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.0 | 1.0 | 1.7 | .7 | .7 | | | | | | | 5.7 | 8.0 |
| NNE | .7 | .7 | 2.3 | .7 | | | | | | | | 6.3 | 6.3 |
| NE | 1.0 | 4.0 | 4.3 | 1.7 | | | | | | | | 12.0 | 7.0 |
| NNE | .7 | 4.0 | 1.7 | .7 | .3 | | | | | | | 7.3 | 9.1 |
| E | | 1.0 | 14.0 | 13.0 | 2.0 | | | | | | | 31.0 | 11.1 |
| ESE | | 1.0 | 2.0 | .3 | | | | | | | | 3.7 | 3.3 |
| SE | | 1.0 | .7 | .7 | | | | | | | | 2.0 | 5.5 |
| SSE | | .7 | .7 | .7 | | | | | | | | 1.7 | 6.0 |
| S | | .7 | .7 | .7 | | | 1.0 | | | | | .7 | 17.5 |
| SSW | | .7 | .7 | .7 | | | | | | | | 1.0 | 3.3 |
| SW | | .7 | .7 | .7 | | | | | | | | 1.0 | 5.0 |
| WSW | | .7 | .7 | .7 | | | | | | | | .3 | 3.3 |
| W | .7 | .7 | .7 | .7 | .7 | | | | | | | 1.0 | 7.7 |
| WNW | .7 | .7 | .7 | .7 | .7 | | | | | | | .7 | 4.0 |
| NW | | .7 | .7 | .7 | .7 | | | | | | | .7 | 5.0 |
| NNW | .7 | .7 | .7 | .7 | .7 | | | | | | | 2.0 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.0 | 21.0 | 41.3 | 24.0 | 3.3 | | .3 | | | | | 110.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION RALEIGH PAV. MI STATION NAME RALEIGH PAV. MI YEARS 1951-52 NCV 20
CLASS ALL WEATHER
ORIGIN
HOURS (L.S.T.) 20

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 2 | 2 | 7 | | 7 | | | | | | 2.0 | 10.7 |
| NNE | | 1 | 1 | 1 | | | | | | | | 4.0 | 7.8 |
| NE | 2 | 2 | 3 | 3 | | | | | | | | 6.7 | 5.7 |
| NNE | 1 | 3 | 7 | 3 | 1 | | | | | | | 22.0 | 6.1 |
| E | 1 | 3 | 14 | 15 | 1 | | | | | | | 38.0 | 9.8 |
| ESE | | 2 | 2 | 1 | | | | | | | | 6.7 | 8.8 |
| SE | | 3 | 7 | 3 | | | | | | | | 13.3 | 7.5 |
| SSE | | | | | | | | | | | | 0.7 | 9.0 |
| S | 1 | 3 | 1 | | | | | | | | | 3.3 | 7.8 |
| SSW | | 1 | 3 | 3 | | | | | | | | 1.7 | 9.6 |
| SW | 1 | 7 | | | | | | | | | | 8.0 | 3.3 |
| WSW | 7 | | | | | | | | | | | 2.7 | 1.6 |
| W | 7 | 3 | | | | | | | | | | 9.7 | 9.5 |
| WNW | | 1 | | | | | | | | | | 1.0 | 5.6 |
| NW | 7 | 3 | 3 | | | | | | | | | 1.0 | 4.7 |
| NNW | 7 | | 3 | 3 | | | | | | | | 1.0 | 9.8 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.7 | |
| | 12.7 | 20.3 | 33.7 | 24.3 | 3.0 | 3 | | 3 | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAFOUR BAY, HT STATION NAME KAFOUR BAY, HT YEARS 1967-68 MONTH NOV

ALL WEATHERED
CLASS
CONDITION

21
HOURS (L.E.T.)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | 1.0 | .3 | | | | | | | 1.7 | 13.0 |
| NNE | | | 1.0 | | | | | | | | | 2.0 | 7.3 |
| NE | 1.0 | 4.3 | 1.0 | 1.0 | .3 | | | | | | | 6.0 | 6.2 |
| ENE | 1.0 | 4.3 | 2.0 | 4.0 | .7 | | | | | | | 17.0 | 9.5 |
| E | 1.0 | 4.3 | 16.0 | 17.3 | .7 | | | | | | | 35.7 | 9.8 |
| ESE | | 2.3 | 3.0 | 1.3 | | | | | | | | 7.7 | 7.8 |
| SE | | | | | | | | | | | | .7 | 5.5 |
| SSE | | | | | | | | | | | | 1.7 | 5.8 |
| S | 1.0 | .3 | 1.0 | | | | | | | | | 2.7 | 8.8 |
| SSW | 1.0 | 1.3 | .3 | | .7 | | | | | | | 3.3 | 5.4 |
| SW | 2.7 | 1.0 | | .7 | | | | | | | | 4.0 | 3.8 |
| WSW | | 1.3 | .7 | | | | | | | | | 3.0 | 8.2 |
| W | | .7 | .3 | | | | | | | | | 3.0 | 3.7 |
| WWW | | | | | | | | | | | | 1.0 | 2.7 |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | .7 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.7 | |
| | 1.0 | 21.7 | 32.7 | 21.0 | 2.3 | | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION KAUAI BAY, HI STATION NAME KAUAI BAY, HI YEARS 1951-52 MONTH NOV
 CLASS ALL - FAIR MONTH NOV
 LOCATION KAUAI BAY, HI

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.1 | | .9 | .7 | | | | | | | 3.8 | 7.8 |
| NNE | | 1.7 | 2.1 | .6 | | | | | | | | 4.4 | 7.2 |
| NE | 1.1 | 2.1 | 3.4 | .6 | .1 | | | | | | | 6.3 | 6.7 |
| NNE | 1.1 | 3.1 | 9.5 | 5.3 | .2 | | | | | | | 20.6 | 8.2 |
| E | 1.1 | 3.1 | 13.3 | 13.1 | 1.6 | | | | | | | 32.5 | 10.3 |
| ESE | | 1.1 | 2.1 | 1.6 | | | | | | | | 5.7 | 8.8 |
| SE | | .5 | .5 | .5 | | | | | | | | 1.5 | 7.1 |
| ESE | | .4 | .5 | .2 | .1 | | | | | | | 1.6 | 7.7 |
| S | .1 | .5 | .7 | .3 | | | | | | | | 2.6 | 6.2 |
| SEW | | | .1 | .2 | .1 | | | | | | | 2.4 | 5.5 |
| SW | 1.1 | .7 | .1 | .5 | | | | | | | | 2.3 | 3.4 |
| WSW | 1.1 | .5 | .1 | | | | | | | | | 2.1 | 3.0 |
| W | 1.1 | .5 | .1 | .1 | .1 | | | | | | | 1.9 | 4.4 |
| WNW | .4 | .4 | .1 | .1 | .1 | | | | | | | 1.0 | 5.8 |
| NW | .1 | .2 | .1 | | | | | | | | | .3 | 4.3 |
| NNW | .1 | .3 | .2 | .3 | | | | | | | | 1.3 | 4.3 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.7 | |
| | 11.3 | 12.1 | 34.6 | 23.6 | 3.1 | | .7 | .5 | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 2259

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NANTUCKET BAY, NY DATE 11-87 YEAR DEC
STATION NAME ALL WEATHER MONTH DEC
CLAS CLAS
OBSERVATION CLAS

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | 1.0 | 1.3 | | | | | | | | 2.3 | 11.4 |
| NNE | | 1.0 | 1.3 | 1.3 | | | | | | | | 4.6 | 7.2 |
| NE | | 4.5 | 2.3 | 1.0 | | | | | | | | 9.0 | 6.6 |
| ENE | 2.0 | 3.0 | 4.5 | 4.5 | | | | | | | | 15.5 | 7.9 |
| E | 1.0 | 4.5 | 6.8 | 7.8 | 1.0 | | | | | | | 21.0 | 7.7 |
| ESE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 7.3 |
| SE | | | | | | | | | | | | 1.0 | 4.0 |
| SSE | | 1.0 | | | | | | | | | | 2.0 | 1.7 |
| S | 1.0 | 1.0 | | 1.3 | | | | | | | | 4.6 | 2.9 |
| SSW | 2.0 | 1.3 | 1.0 | 1.0 | | | | | | | | 5.3 | 2.8 |
| SW | | 1.0 | 1.0 | 1.0 | | | | | | | | 3.0 | 6.6 |
| WSW | 2.0 | 2.0 | 1.0 | 1.0 | | | | | | | | 6.0 | 4.7 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 3.8 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.0 | 4.8 |
| NW | | 1.0 | 1.0 | 1.0 | | | | | | | | 3.0 | 3.3 |
| NNW | | | 1.0 | 1.0 | | | | | | | | 2.0 | 8.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.0 | |
| | 11.3 | 26.2 | 21.0 | 17.5 | 1.0 | | | | | | | 10.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PANTONE BAY, MT STATION NAME 73-82 YEARS DEC
ALL WEATHER MONTH DEC
CLAS HOUR (LST) 05
CONDITION

| SPEED
(KNOTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|--------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 7.7 |
| NNE | | | 1.5 | 1.0 | | | | | | | | 4.0 | 7.7 |
| NE | | 2.0 | 3.5 | 1.0 | | | | | | | | 9.1 | 7.6 |
| ENE | | 4.0 | 5.0 | 4.5 | | | | | | | | 14.1 | 7.6 |
| E | | 4.0 | 3.0 | 7.1 | 1.0 | | | | | | | 17.8 | 10.0 |
| ESE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 6.0 |
| SE | | | | | | | | | | | | 1.0 | 5.3 |
| SSE | | | | | | | | | | | | 1.0 | 4.5 |
| S | | | 1.0 | | | | | | | | | 5.5 | 5.2 |
| SSW | | 1.0 | | 1.0 | | | | | | | | 6.1 | 5.7 |
| SW | | 1.0 | 1.0 | | | | | | | | | 5.5 | 4.1 |
| WSW | | 1.0 | | | | | | | | | | 7.2 | 3.1 |
| W | | | | | | | | | | | | 2.9 | 3.3 |
| WNW | | | 1.0 | | | | | | | | | 1.0 | 8.6 |
| NW | | | | | | | | | | | | | 2.0 |
| NNW | | | | | | | | | | | | 1.0 | 4.5 |
| VARB. | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.1 | |
| | 2.1 | 21.4 | 21.7 | 17.2 | 1.6 | | | | | | | 10.7 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 372

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1957 DEC 1957
CLASS NAVAL WEATHER SERVICE HOURS (L.S.T.) 0000-2300
CONDITION NAVAL WEATHER SERVICE

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 10.5 |
| NNE | | | | | | | | | | | | 4.0 | 7.0 |
| NE | | | | | | | | | | | | 0.5 | 6.3 |
| ENE | | | | | | | | | | | | 14.0 | 6.2 |
| E | | | | | | | | | | | | 1.0 | 10.0 |
| ESE | | | | | | | | | | | | 1.0 | 10.0 |
| SE | | | | | | | | | | | | 0.3 | 6.7 |
| SSE | | | | | | | | | | | | 0.3 | 6.8 |
| S | | | | | | | | | | | | 0.5 | 6.8 |
| SSW | | | | | | | | | | | | 0.5 | 6.3 |
| SW | | | | | | | | | | | | 0.5 | 6.9 |
| WSW | | | | | | | | | | | | 0.5 | 6.3 |
| W | | | | | | | | | | | | 0.3 | 5.3 |
| WNW | | | | | | | | | | | | 1.0 | 6.2 |
| NW | | | | | | | | | | | | 0.5 | 6.0 |
| NNW | | | | | | | | | | | | 0.5 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.1 | |
| | 14.0 | 20.0 | 26.5 | 16.5 | 2.0 | | | | | | | 10.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME RAJAHMUNDRY, HI STATION NAME RAJAHMUNDRY, HI YEARS 1958-1959 MONTH SEP

CLASS ALL WEATHER

CONDITION

HOURLY (LST) 1

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | | | 7.0 | 1.0 |
| NNE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 7.4 | 1.0 |
| NE | 1.0 | 2.0 | 2.0 | 2.0 | | | | | | | | 11.0 | 1.0 |
| ENE | 1.0 | 4.0 | 1.0 | 5.0 | 1.0 | | | | | | | 12.0 | 2.0 |
| E | | 1.0 | 7.0 | 5.0 | 2.0 | | | | | | | 20.0 | 11.0 |
| ESE | | 1.0 | 2.0 | 1.0 | | | | | | | | 4.0 | 7.0 |
| SE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 5.0 |
| SSE | | | | 1.0 | | | | | | | | 1.0 | 1.0 |
| S | | | 1.0 | | | | | | | | | 1.0 | 1.0 |
| SSW | | | 1.0 | 1.0 | | | | | | | | 2.0 | 2.0 |
| SW | | | | 1.0 | 1.0 | | | | | | | 2.0 | 11.0 |
| WSW | | | 1.0 | 1.0 | | | | | | | | 2.0 | 8.0 |
| W | | 1.0 | 1.0 | | 1.0 | | | | | | | 2.0 | 1.0 |
| WNW | | 1.0 | 1.0 | | | | | | | | | 2.0 | 5.0 |
| NW | 1.0 | 1.0 | | | | | | | | | | 2.0 | 7.0 |
| NNW | 1.0 | 1.0 | 1.0 | | | | | | | | | 3.0 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.0 | |
| | 11.0 | 22.0 | 34.0 | 21.0 | 3.0 | | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14-0012 BAY, H7 STATION NAME 14-0012 YEARS 1973-80 D.C. 14
CLAS 14
HOURS (L.S.T.) 14
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 2.0 | 3.0 | 1.0 | 2.0 | | | | | | | 6.1 | 7.0 |
| NNE | 1.0 | 3.0 | 3.0 | 1.0 | | | | | | | | 6.0 | 6.2 |
| NE | | 7.0 | 5.0 | 2.3 | | | | | | | | 14.3 | 7.8 |
| ENE | | 7.0 | 5.0 | 2.1 | 1.0 | | | | | | | 19.2 | 10.1 |
| E | | 4.2 | 2.3 | 2.1 | 1.0 | 3.0 | | | | | | 6.0 | 10.1 |
| ESE | 1.0 | 1.0 | 2.0 | 1.0 | | | | | | | | 6.0 | 6.9 |
| SE | | 1.0 | 1.0 | 1.0 | | | | | | | | 2.0 | 7.0 |
| SSE | | | | | | | | | | | | 1.0 | 7.7 |
| S | | 1.0 | 1.0 | | | | | | | | | 1.0 | 7.0 |
| SSW | | 1.0 | 1.0 | 1.0 | 2.0 | | | | | | | 3.0 | 9.0 |
| SW | | | 1.0 | 1.0 | 2.0 | | | | | | | 1.0 | 1.2 |
| WSW | | 1.0 | 1.0 | 1.0 | | | | | | | | 2.0 | 2.4 |
| W | | 1.0 | 1.0 | | 1.0 | | | | | | | 1.0 | 2.4 |
| WNW | | | | | | | | | | | | | |
| NW | | 1.0 | | 1.0 | | | | | | | | 1.0 | 1.3 |
| NNW | | 1.0 | 1.0 | | | | | | | | | 2.3 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | | | | | | 1.0 | 2.0 |

TOTAL NUMBER OF OBSERVATIONS 14

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PALM BEACH, FL STATION NAME 73-57 YEAR DEC
 ALL WEATHER CLASS 17
 MONTH NOV (LST.)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 2.0 | 1.5 | 2.0 | | | | | | | | 8.4 | 3.2 |
| NNE | 1.0 | 4.0 | 4.5 | 1.0 | .3 | | | | | | | 13.3 | 6.4 |
| NE | 2.0 | 4.0 | 4.0 | 1.0 | | | | | | | | 13.6 | 6.2 |
| ENE | | 7.5 | 5.4 | 6.0 | | | | | | | | 20.5 | 5.4 |
| E | 1.0 | 2.0 | 6.0 | 5.0 | 1.0 | .3 | | | | | | 18.8 | 10.4 |
| ESE | | 1.0 | 2.0 | .3 | | | | | | | | 4.5 | 7.1 |
| SE | | 1.0 | 1.0 | | | | | | | | | 3.2 | 5.8 |
| SSE | | 1.0 | | | | | | | | | | 1.0 | 5.2 |
| S | | 1.0 | .0 | | | | | | | | | 1.0 | 5.0 |
| SSW | | 1.0 | 1.0 | .3 | | | | | | | | 2.0 | 6.3 |
| SW | | | 1.0 | .6 | | | | | | | | 2.0 | 6.9 |
| WSW | | | | 1.0 | | | | | | | | 1.0 | 10.0 |
| W | | | .0 | | | | | | | | | 1.0 | 5.7 |
| WNW | | | .0 | | | | | | | | | .0 | 6.5 |
| NW | | | .0 | .3 | | | | | | | | 1.0 | 5.0 |
| NNW | | | | .0 | .3 | | | | | | | 1.0 | 11.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 11.3 | 24.7 | 35.1 | 21.5 | 2.6 | .3 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 776

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2710 KAHUNA BAY, HI STATION NAME KAHUNA BAY, HI YEAR 77-82 MONTHS DEC

CLASS ALL STATIONS

LOCATION

NUMBER (L.S.T.)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 7.6 |
| NNE | | | | | | | | | | | | 6.0 | 6.5 |
| NE | | | | | | | | | | | | 14.1 | 6.9 |
| ENE | | | | | | | | | | | | 16.6 | 5.1 |
| E | | | | | | | | | | | | 25.7 | 3.6 |
| ESE | | | | | | | | | | | | 1.0 | 5.6 |
| SE | | | | | | | | | | | | 2.0 | 5.2 |
| SSE | | | | | | | | | | | | 3.0 | 4.2 |
| S | | | | | | | | | | | | 3.0 | 4.7 |
| SSW | | | | | | | | | | | | 3.3 | 5.1 |
| SW | | | | | | | | | | | | 3.7 | 5.8 |
| WSW | | | | | | | | | | | | 2.3 | 2.4 |
| W | | | | | | | | | | | | 3.4 | 5.3 |
| WNW | | | | | | | | | | | | 1.7 | 4.5 |
| NW | | | | | | | | | | | | 1.0 | 4.8 |
| NNW | | | | | | | | | | | | 2.0 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.0 | |
| | | | | | | | | | | | | 1.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 77

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 216 PARSONS BAY, HI STATION NAME 19-82 YEARS DISC
MONTH 23
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | | | | | | | | | | 10.0 |
| NNE | | 1.6 | 1.6 | 1.6 | 1.6 | | | | | | | 6.4 | 7.3 |
| NE | 1.3 | 1.3 | 4.5 | 1.5 | | | | | | | | 10.7 | 7.2 |
| ENE | | 4.2 | 5.5 | 4.5 | | | | | | | | 16.2 | 6.1 |
| E | 1.6 | 6.1 | 3.6 | 1.9 | 2.3 | .3 | | | | | | 23.2 | 12.1 |
| ESE | | | 1.2 | .3 | | | | | | | | 2.2 | 7.1 |
| SE | | | | | | | | | | | | 1.0 | 5.0 |
| SSE | | | | | | | | | | | | | |
| S | | 1.3 | 1.6 | | | | | | | | | 4.1 | 4.2 |
| SSW | | 2.3 | 1.6 | | | | | | | | | 6.1 | 4.2 |
| SW | | 2.3 | 1.6 | .6 | .3 | | | | | | | 6.1 | 5.3 |
| WSW | 1.7 | 1.6 | | .2 | | | | | | | | 2.6 | 4.1 |
| W | 1.7 | .3 | .6 | | | | | | | | | 1.9 | 4.8 |
| WNW | | .3 | .2 | | | | | | | | | 1.7 | 4.7 |
| NW | | | | | | | | | | | | 1.0 | 1.7 |
| NNW | | | | .6 | | | | | | | | 1.7 | 12.2 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 20.7 | 23.3 | 21.5 | 12.4 | 3.2 | .3 | | | | | | 100.2 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 379

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS BAY, MI STATION NAME WATKINS BAY YEARS 1961-62 DEC NORTH

ALL WEATHER ALL

CLAS HOURLY (L.S.T.)

CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .7 | 1.2 | 1.2 | .7 | .2 | | | | | | | 4.2 | 7.5 |
| NNE | 1.1 | 2.3 | 2.7 | .9 | .1 | | | | | | | 7.1 | 7.1 |
| NE | 1.2 | 3.4 | 4.1 | 1.5 | | | | | | | | 10.6 | 7.4 |
| ENE | 1.3 | 3.1 | 6.3 | 5.1 | .3 | | | | | | | 12.0 | 4.8 |
| E | 1.1 | 4.3 | 5.1 | 5.1 | 1.7 | .2 | | | | | | 14.2 | 10.2 |
| ESE | .5 | 1.2 | 1.7 | .2 | .2 | | | | | | | 3.6 | 6.9 |
| SE | .5 | .7 | | .1 | | | | | | | | 2.5 | 5.2 |
| SSE | .5 | 1.2 | .2 | .1 | | | | | | | | 1.7 | 4.0 |
| S | 1.1 | 1.2 | .4 | .2 | | | | | | | | 1.5 | 4.8 |
| SSW | 1.2 | 1.2 | .2 | .5 | .2 | | .2 | | | | | 4.4 | 5.4 |
| SW | 1.4 | .7 | .9 | .6 | .2 | .2 | | | | | | 3.7 | 6.3 |
| WSW | 1.1 | 1.1 | .2 | .4 | .2 | | | | | | | 3.2 | 5.1 |
| W | 1.2 | .5 | .5 | .2 | .1 | | | | | | | 2.5 | 5.1 |
| WNW | .7 | .2 | .5 | .2 | | | | | | | | 1.2 | 6.0 |
| NW | .5 | .5 | .2 | .2 | | | | | | | | 1.3 | 5.5 |
| NNW | .5 | .6 | .4 | .3 | .2 | | | | | | | 1.5 | 7.2 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.8 | |
| | 15.7 | 24.4 | 27.4 | 12.2 | 2.7 | .2 | .2 | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 2462

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-1 KAILUOHE BAY, HI STATION NAME 73-82 YEARS ALL
ALL ALL
ALL ALL
ALL ALL

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .1 | .1 | .2 | .1 | .1 | .1 | | | | | | 2.0 | 7.6 |
| NNE | .1 | 1.0 | 1.7 | .4 | .1 | | | | | | | 4.2 | 6.6 |
| NE | .1 | 2.0 | 4.3 | 1.6 | .1 | | | | | | | 9.7 | 7.6 |
| NNE | .1 | 4.2 | 11.5 | 2.2 | .7 | .1 | | | | | | 28.7 | 9.6 |
| E | .1 | 1.3 | 13.4 | 13.3 | 1.4 | .1 | | | | | | 38.3 | 10.2 |
| ESE | .1 | .1 | 1.0 | 1.2 | .1 | | | | | | | 4.1 | 9.9 |
| SE | .1 | .3 | .6 | .1 | .1 | | | | | | | 1.0 | 6.5 |
| ESE | .1 | .1 | .1 | .1 | .1 | | | | | | | .1 | 5.5 |
| S | .1 | .1 | .1 | .2 | .1 | .1 | .1 | .1 | | | | 2.1 | 5.6 |
| SSW | .1 | .1 | .4 | .2 | .1 | .1 | .1 | .1 | | | | 2.1 | 6.1 |
| SW | .1 | .1 | .1 | .2 | .1 | .1 | .1 | .1 | | | | 1.3 | 5.6 |
| WSW | .1 | .1 | .2 | .2 | .1 | .1 | .1 | .1 | | | | 1.7 | 5.6 |
| W | .1 | .4 | .2 | .1 | .1 | .1 | .1 | .1 | | | | 1.7 | 5.6 |
| WNW | .1 | .4 | .2 | .1 | .1 | .1 | .1 | .1 | | | | .9 | 5.2 |
| NW | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | | | | .7 | 5.5 |
| NNW | .1 | .1 | .1 | .2 | .1 | .1 | .1 | .1 | | | | 1.0 | 6.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.7 | |
| | .9 | 18.9 | 31.4 | 27.3 | 2.7 | .1 | .0 | .0 | | | | 110.7 | 2.4 |

TOTAL NUMBER OF OBSERVATIONS 22196

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME RAVENHAW, MT CLASS 1-1-55 YEARS 1-1-55 ALL DATA
INSIDUMENT
CTG 200 TO 1400 FT W/WSBY 1/2 MI OR MORE
ALL FOR WSBY 1/2 TO 2-1/2 MI W/CLE 200 FT OR MORE

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | | 2.0 | 3.0 | 3.5 | 0.8 | | | | | | | 11.0 | 9.3 |
| NNE | | 2.0 | 3.1 | 2.0 | | | | | | | | 7.1 | 7.8 |
| NE | 1.2 | 1.6 | 3.0 | 3.1 | | | | | | | | 5.8 | 5.2 |
| ENE | | 1.1 | 4.2 | 2.8 | | | | | | | | 10.1 | 8.6 |
| E | 1.2 | 3.1 | 5.8 | 9.4 | 0.8 | 0.4 | | | | | | 20.5 | 12.6 |
| ESE | | | 1.6 | 2.4 | 0.8 | | | | | | | 5.1 | 1.7 |
| SE | | | 1.2 | 0.0 | | | | | | | | 2.0 | 1.0 |
| SSE | | | | | | | | | | | | 1.0 | 0.5 |
| S | | 1.2 | 0.4 | 0.2 | 0.2 | | | 0.4 | | | | 3.0 | 13.1 |
| SSW | | | 0.4 | 0.4 | 0.4 | | | | | | | 2.0 | 2.0 |
| SW | | | 0.4 | 0.4 | 0.4 | | 0.4 | | | | | 2.0 | 12.1 |
| WSW | 1.2 | 0.4 | | 0.4 | 0.4 | | 0.4 | 0.4 | | | | 3.0 | 14.8 |
| W | 0.4 | 1.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | | | | | 2.0 | 11.6 |
| WNW | | 1.6 | 1.2 | | | | | | | | | 1.1 | 5.8 |
| NW | 1.2 | 1.1 | 0.8 | 0.8 | | | | | | | | 4.3 | 6.1 |
| NNW | 0.4 | 1.2 | 2.0 | 2.0 | | | | | | | | 5.5 | 8.9 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 0.7 | 21.7 | 29.9 | 29.1 | 3.9 | 1.6 | 0.8 | 0.8 | | | | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NOCD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|----------|----------|----------|----------|---------------------|----------|---------------------|---------------------|----------|--------------------|--------------------|--------------------|--------------------|---------------------|----------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | $\geq 2\frac{1}{2}$ | ≥ 2 | $\geq 1\frac{1}{2}$ | $\geq 1\frac{1}{4}$ | ≥ 1 | $\geq \frac{3}{4}$ | $\geq \frac{1}{2}$ | $\geq \frac{1}{4}$ | $\geq \frac{1}{8}$ | $\geq \frac{1}{16}$ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | 91.0 | | | | | | | | | | | 92.6 |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | 97.4 | | | | | | 98.1 |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | 95.4 | | 96.9 | | | 98.3 | | | | | | 100.0 |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| <u>OKTAS</u> | <u>TENTHS</u> |
|-----------------|---------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| ≥ 20000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 18000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 16000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 14000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 12000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 10000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 9000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 8000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 7000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 6000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 5000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 4500 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 4000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 3500 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 3000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 2500 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 2000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 1800 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 1500 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 1200 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 1000 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 900 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 800 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 700 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 600 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 500 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 400 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 300 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 200 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 100 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| IV 0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 20000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 18000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 16000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 14000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 12000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 10000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 9000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 8000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 7000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 6000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 5000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 4500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 4000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 3500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 3000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 900 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 700 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 51

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 20000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 18000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 16000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 14000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 12000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 10000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 9000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 8000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 7000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 6000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 5000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 4500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 4000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 3500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 3000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 2500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 2000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 1800 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 1500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 1200 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 1000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 900 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 800 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 700 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 600 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 400 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 300 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 200 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 100 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 0 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 20000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IVV 18000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IVV 16000 | 1.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IVV 14000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IVV 12000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 10000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 9000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 8000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 7000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 6000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 5000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 4500 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 4000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 3500 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 3000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 2500 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 2000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 1800 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 1500 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 1200 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 1000 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 900 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 800 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 700 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 600 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 500 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 400 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 300 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 200 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 100 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| IVV 0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE 11.57

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| ≥ 20000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 18000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 16000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 14000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 12000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 10000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 9000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 8000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 7000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 6000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 5000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 4500 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 4000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 3500 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 3000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 2500 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 2000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 1800 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 1500 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 1200 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 1000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 900 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 800 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 700 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 600 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 500 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 400 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 300 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 200 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 100 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 0 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 20000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 20000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 18000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 16000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 14000 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| IV 12000 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| IV 10000 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| IV 9000 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| IV 8000 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 7000 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 6000 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 5000 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| IV 4500 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 4000 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 3500 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| IV 3000 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| IV 2500 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| IV 2000 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| IV 1800 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 1500 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 1200 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1000 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
LAKE DAY, PI

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 20000 | 45.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| IV 18000 | 45.7 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| IV 16000 | 45.7 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| IV 14000 | 45.7 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| IV 12000 | 45.7 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| IV 10000 | 45.7 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| IV 9000 | 45.7 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| IV 8000 | 45.7 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| IV 7000 | 45.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 6000 | 45.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 5000 | 45.7 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| IV 4500 | 45.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 4000 | 45.7 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 3500 | 45.7 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| IV 3000 | 45.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 2500 | 45.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| IV 2000 | 45.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| IV 1800 | 45.7 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| IV 1500 | 45.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1200 | 45.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1000 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 45.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION: ASHEVILLE, NC YEARS: 1951-1952 MONTH: ALL
 HOURS (L S T): ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 20000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 18000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 16000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 14000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 12000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 10000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 9000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 8000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 7000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 6000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 5000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 4500 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 4000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 3500 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 3000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 2500 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 2000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 1800 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 1500 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 1200 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 1000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 900 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 800 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 700 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 600 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 500 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 400 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 300 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 200 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 100 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 0 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |

TOTAL NUMBER OF OBSERVATIONS: 2435

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

NAVAL AIR STATION, ASH

STATION NAME

77-57

YEARS

FEET

NORTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 20000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 18000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 16000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 14000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 12000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 10000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 9000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 8000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 7000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 6000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 5000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 4500 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 4000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 3500 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 3000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 2500 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 2000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 1800 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 1500 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 1200 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 1000 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 900 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 800 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 700 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 600 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 500 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 400 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 300 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 200 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 100 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IN 0 | 56.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |

TOTAL NUMBER OF OBSERVATIONS

2

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

FEET

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 20000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 18000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 16000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 14000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 12000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 10000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 9000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 8000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 7000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 6000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 5000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 4500 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 4000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 3500 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 3000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 2500 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 2000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 1800 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 1500 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 1200 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 1000 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 900 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 800 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 700 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 600 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 500 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 400 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 300 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 200 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| IV 100 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| 0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |

TOTAL NUMBER OF OBSERVATIONS

252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 73-72 YEARS: 1951 MONTH: 1951
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 20000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 18000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 16000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 14000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 12000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 10000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 9000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 8000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 7000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 6000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 5000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 4500 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 4000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 3500 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 3000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 2500 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 2000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 1800 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 1500 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 1200 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 1000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 900 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 800 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 700 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 600 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 500 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 400 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 300 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 200 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 100 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| IV 0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LA 710 847, ME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 0 |
| NO CEILING | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 20000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 18000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 16000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 14000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 12000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 10000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 9000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 8000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 7000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 6000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 5000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 4500 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 4000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 3500 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 3000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 2500 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 2000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 1800 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 1500 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 1200 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 1000 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 900 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 800 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 700 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 600 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 500 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 400 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 300 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 200 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 100 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| IV 0 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |

TOTAL NUMBER OF OBSERVATIONS

42

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 3.5 | 13.7 | 25.7 | 31.7 | 33.7 | 38.7 | 3.7 | 39.7 | 3.7 | 35.7 | 3.7 | 35.7 | 3.7 | 33.7 | 33.7 | 3.7 |
| ≥ 20000 | 3.7 | 13.7 | 4.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 18000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 16000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 14000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 12000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 10000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 9000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 8000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 7000 | 3.7 | 12.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 6000 | 1.1 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| 5000 | 4.7 | 4.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| 4500 | 5.7 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 4000 | 6.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 3500 | 5.7 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 3000 | 5.7 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 2500 | 7.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 2000 | 8.4 | 93.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 1800 | 8.4 | 93.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 1500 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 1200 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 1000 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 900 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 800 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 700 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 600 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 500 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 400 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 300 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 200 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 100 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 0 | 8.4 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 1.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 20000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 18000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 16000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 14000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 12000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 10000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 9000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 8000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 7000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 6000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 5000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 4500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 4000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 3500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 3000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 2500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 2000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1800 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1200 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 900 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 800 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 700 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 600 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 400 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 300 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 200 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 100 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 0 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 |
| NO CEILING | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 20000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 18000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 16000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 14000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 12000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 10000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 9000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 8000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 7000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 6000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 5000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 4500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 4000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 3500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 3000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 2500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 2000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1800 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1200 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 900 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 800 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 700 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 600 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 400 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 300 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 200 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 100 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

AD A LSO 703

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KATIEHOE BAY (U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

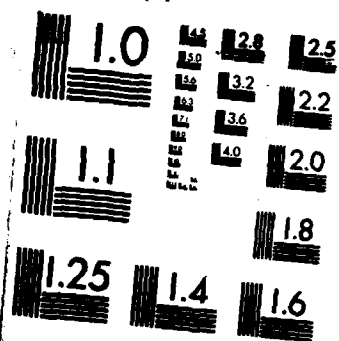
314

UNCLASSIFIED

F/G 4/2

Ni

[illegible]



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

VAPOUR BAY, HI

STATION NAME

73-82

YEARS

FEET

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURLY (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 20000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 18000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 16000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 14000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 12000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 10000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 9000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 8000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 7000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 6000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 5000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 4500 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 4000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 3500 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 3000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 2500 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 2000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 1800 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 1500 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 1200 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 1000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 900 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 800 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 700 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 600 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 500 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 400 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 300 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 200 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 100 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 0 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |

TOTAL NUMBER OF OBSERVATIONS

225

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

KATFORD BAY, HI

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 |
| NO CEILING | 37.5 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 20000 | 37.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| IV 18000 | 37.1 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| IV 16000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| IV 14000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| IV 12000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 10000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 9000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 8000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 7000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 6000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 5000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 4300 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 4000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 3500 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 3000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 2500 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 2000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 1800 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 1500 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 1200 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 1000 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 900 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 800 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 700 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 600 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 500 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 400 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 300 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 200 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 100 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 0 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: KATTOHE BAY, MI STATION: 73-82 YEARS: MAR MONTH: 1977 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 20000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 18000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 16000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 14000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 12000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 10000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 9000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 8000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 7000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 6000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 5000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 4500 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 4000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 3500 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 3000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 2500 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 2000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 1800 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 1500 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 1200 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 1000 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 900 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 800 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 700 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 600 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 500 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 400 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 300 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 200 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 100 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 0 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |

TOTAL NUMBER OF OBSERVATIONS: 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

KA TOFF BAY, HI

STATION NAME

1-57

YEAR

DATE

MONTH

HOURLY (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 3 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 27.7 | 29.1 | 29.1 | 29.1 | 29.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 29.1 | 28.1 | 28.1 |
| ≥ 20000 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 18000 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 16000 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 14000 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 12000 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| ≥ 10000 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 9000 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 8000 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| ≥ 7000 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| ≥ 6000 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| ≥ 5000 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 4300 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 4000 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| ≥ 3300 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 3000 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 2500 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 2000 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 1800 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 1500 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 1200 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 1000 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 900 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 800 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 700 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 600 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 400 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 300 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 100 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
72105STATION NAME
KANEHUE BAY, HI

73-02

YEARS

MONTH
11PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DOORS (L S T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 34.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| ≥ 20000 | 34.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| IV 18000 | 34.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| IV 16000 | 34.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| IV 14000 | 34.8 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| IV 12000 | 34.8 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| IV 10000 | 36.8 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| IV 9000 | 36.8 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| IV 8000 | 37.1 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 7000 | 37.1 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 6000 | 37.1 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 5000 | 41.7 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| IV 4500 | 43.9 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| IV 4000 | 53.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| IV 3500 | 53.1 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| IV 3000 | 53.1 | 69.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| IV 2500 | 53.1 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| IV 2000 | 53.1 | 92.3 | 92.9 | 92.9 | 92.9 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 1800 | 53.1 | 95.5 | 96.1 | 96.1 | 96.1 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| IV 1500 | 56.1 | 96.5 | 98.1 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1200 | 56.1 | 96.5 | 98.1 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1000 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 900 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 800 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 700 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 600 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 500 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 400 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 300 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 200 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 100 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 0 | 56.1 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

HAPOLE BAY, NC

STATION NAME

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
MONTHS (1957)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 12.3 | 73.4 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 |
| IV 20000 | 77.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| IV 18000 | 77.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| IV 16000 | 77.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| IV 14000 | 77.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| IV 12000 | 77.7 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| IV 10000 | 71.0 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| IV 9000 | 71.0 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| IV 8000 | 72.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| IV 7000 | 72.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| IV 6000 | 72.3 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| IV 5000 | 74.5 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| IV 4500 | 57.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| IV 4000 | 71.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| IV 3500 | 73.4 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| IV 3000 | 76.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| IV 2500 | 77.4 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| IV 2000 | 66.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 1800 | 77.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 1500 | 77.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 1200 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1000 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 77.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
MILFORD BAY, MI

73-42

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

USE (L S Y)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 37.4 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 20000 | 32.0 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| IV 18000 | 32.0 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| IV 16000 | 32.0 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| IV 14000 | 32.0 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| IV 12000 | 34.5 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| IV 10000 | 34.5 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| IV 9000 | 34.5 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| IV 8000 | 36.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| IV 7000 | 36.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| IV 6000 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 5000 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 4500 | 55.2 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| IV 4000 | 59.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| IV 3500 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 3000 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| IV 2500 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 2000 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 1800 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 1600 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| IV 1400 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 1200 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 17

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

DATE

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| ≥ 20000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 18000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 16000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 14000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 12000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 10000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 9000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 8000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 7000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 6000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 5000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 4500 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 4000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 3500 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 3000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 2500 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 2000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 1800 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 1500 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 1200 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 1000 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 900 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 800 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 700 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 600 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 500 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 400 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 300 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 200 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 100 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| IV 0 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |

TOTAL NUMBER OF OBSERVATIONS

711

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
PINE BLUFF, MS

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

27
HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 3 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 |
| NO CEILING | 1.7 | 43.9 | 47.9 | 43.9 | 4.9 | 43.9 | 47.9 | 47.9 | 43.9 | 43.9 | 43.9 | 47.9 | 43.9 | 43.9 | 47.9 |
| ≥ 20000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 18000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 16000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 14000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 12000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 10000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 9000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 8000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 7000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 6000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 5000 | 4.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 4500 | 1.7 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| ≥ 4000 | 1.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| ≥ 3500 | 1.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| ≥ 3000 | 1.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 2500 | 1.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 2000 | 1.7 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 1800 | 5.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 1500 | 6.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 1200 | 6.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 1000 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 900 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 800 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 700 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 600 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 500 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 400 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 300 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 200 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 100 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 0 | 7.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
LAKE LURE, HI

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)SCALE
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 20000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 18000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 16000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 14000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 12000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 10000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 9000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 8000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 7000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 6000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 5000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 4500 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 4000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 3500 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 3000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 2500 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 2000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 1800 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 1500 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 1200 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 1000 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 900 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 800 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 700 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 600 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 500 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 400 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 300 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 200 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 100 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
PACIFIC DAY, HI

YEARS
73-77

MONTH
12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 71.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 20000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 18000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 16000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 14000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 12000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 10000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 9000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 8000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 7000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 6000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 5000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 4500 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 4000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 3500 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 3000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 2500 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 2000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 1800 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 1500 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 1200 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 1000 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 900 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 800 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 700 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 600 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 500 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 400 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 300 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 200 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 100 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 0 | 74.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 14.5.1

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 20000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 18000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 16000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 14000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 12000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 10000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 9000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 8000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 7000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 6000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 5000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 4500 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 4000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 3500 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 3000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 2500 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 2000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1800 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1500 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1200 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1000 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 900 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 800 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 700 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 600 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 500 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 400 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 300 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 200 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 100 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: KATONAH, HI STATION: 7-61 YEARS: MONTHS: HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 20000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 18000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 16000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 14000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 12000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 10000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 9000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 8000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 7000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 6000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 5000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 4500 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 4000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 3500 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 3000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 2500 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 2000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 1800 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 1500 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 1200 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 1000 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 900 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 800 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 700 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 600 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 500 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 400 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 300 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 200 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 100 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| IV 0 | 24.7 | 24.7 | 24.7 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |

TOTAL NUMBER OF OBSERVATIONS: 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

FAIRFORD RAY, HI

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| ≥ 20000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 18000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 16000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 14000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 12000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 10000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 9000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 8000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 7000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 6000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 5000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 4500 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 4000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 3500 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 3000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 2500 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 2000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 1800 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 1500 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 1200 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 1000 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 900 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 800 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 700 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 600 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 500 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 400 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 300 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 200 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 100 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |
| 0 | 3.0 | 34.7 | 34.3 | 34.3 | 34.7 | 34.7 | 34.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.7 |

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

WATERLOO BAY, HI

STATION NAME

77-81

YEARS

APC

ROUTE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 26.7 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 |
| ≥ 20000 | 21.7 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| IV 18000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 16000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 14000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 12000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 10000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 9000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 8000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 7000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 6000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 5000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 4500 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 4000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 3500 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 3000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 2500 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 2000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1800 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1500 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1200 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1000 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 900 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 800 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 700 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 600 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 500 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 400 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 300 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 200 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 100 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| 0 | 20.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: HA COME GAY, MI
 STATION: 17
 YEARS: 1971-1972
 MONTH: 12
 HOURS: 15, 17, 19

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 27.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| IV 20000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 18000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 16000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 14000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 12000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 10000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 9000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 8000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 7000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 6000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 5000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 4500 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 4000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 3500 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 3000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 2500 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 2000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 1800 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 1500 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 1200 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 1000 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 900 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 800 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 700 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 600 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 500 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 400 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 300 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 200 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 100 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| IV 0 | 1.0 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME KATONAH BAY, HI

73-87

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |
| ≥ 20000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 18000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 16000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 14000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 12000 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| ≥ 10000 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 9000 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 8000 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| ≥ 7000 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| ≥ 6000 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| ≥ 5000 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| ≥ 4500 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| ≥ 4000 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥ 3500 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| ≥ 3000 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| ≥ 2500 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 2000 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 1800 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 1500 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 1200 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
KATYLAKE BAY, MI

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

25
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 0 |
| NO CEILING | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 20000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 18000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 16000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 14000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 12000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 10000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 9000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 8000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 7000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 6000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 5000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 4500 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 4000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 3500 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 3000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 2500 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 2000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 1800 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 1500 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 1200 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 1000 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 900 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 800 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 700 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 600 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 500 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 400 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 300 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 200 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 100 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 0 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

KAHOME DAY, HI

STATION NAME

75-22

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 20000 | 1.0 | 15.0 | 3.5 | 22.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| 18000 | 13.0 | 35.6 | 31.6 | 31.6 | 31.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 16000 | 33.0 | 35.6 | 31.6 | 31.6 | 31.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 14000 | 33.0 | 35.6 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 |
| 12000 | 31.1 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| 10000 | 31.5 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| 9000 | 36.1 | 39.2 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 8000 | 37.2 | 39.3 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 7000 | 37.3 | 39.3 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| 6000 | 37.4 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 5000 | 37.4 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| 4500 | 39.5 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 4000 | 39.5 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 3500 | 39.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| 3000 | 39.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 2500 | 39.7 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 2000 | 39.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 1800 | 39.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 1600 | 39.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 1500 | 39.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| 1200 | 39.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 1000 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 900 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 800 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 700 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 600 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 500 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 400 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 300 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 200 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 100 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 0 | 39.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS 2 2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|---------|-------|---------|---------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 0 |
| NO CEILING | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| ≥ 20000 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 18000 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 16000 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 14000 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 12000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 10000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 9000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 8000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 7000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 6000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 5000 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 4500 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 4000 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 3500 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 3000 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 2500 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 2000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: LA FOLLE BAY, HT YEARS: 73-82 MONTH: MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 20000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 18000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 16000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 14000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 12000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 10000 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| IV 9000 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| IV 8000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 7000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 6000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 5000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 4500 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| IV 4000 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| IV 3500 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| IV 3000 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 2500 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 2000 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| IV 1800 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
A F O B A Y , H I

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L S T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| ≥ 20000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| IV 18000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 16000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 14000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 12000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| IV 10000 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| IV 9000 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| IV 8000 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| IV 7000 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| IV 6000 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| IV 5000 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| IV 4500 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| IV 4000 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 3500 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| IV 3000 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IV 2500 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| IV 2000 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| IV 1800 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1500 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1200 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1000 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 900 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 800 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 700 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 600 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 400 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 300 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 200 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 100 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: WATKINS RAY, MI

DATE: 11-12

YEAR: 11

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| ≥ 20000 | 35.2 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| IN 18000 | 34.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| IN 16000 | 34.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| IN 14000 | 34.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| IN 12000 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| IN 10000 | 40.3 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| IN 9000 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| IN 8000 | 42.9 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| IN 7000 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| IN 6000 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| IN 5000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IN 4500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IN 4000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IN 3500 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| IN 3000 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| IN 2500 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IN 2000 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| IN 1800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 1500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 1200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: DAV, HI YEARS: 1952 MONTH: 17
 STATION: 17 HOURS (LST): 17

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 0.0 | 73.0 | 37.0 | 53.0 | 3.0 | 3.0 | 33.0 | 73.0 | 37.0 | 73.0 | 33.0 | 33.0 | 37.0 | 73.0 | 33.0 | 73.0 |
| ≥ 20000 | 0.0 | 0.0 | 47.0 | 43.0 | 47.0 | 43.0 | 43.0 | 47.0 | 43.0 | 43.0 | 47.0 | 43.0 | 47.0 | 43.0 | 47.0 | 43.0 |
| IV 18000 | 0.0 | 43.0 | 47.0 | 43.0 | 43.0 | 43.0 | 43.0 | 47.0 | 43.0 | 43.0 | 47.0 | 43.0 | 47.0 | 43.0 | 43.0 | 43.0 |
| IV 16000 | 0.0 | 43.0 | 47.0 | 43.0 | 43.0 | 43.0 | 43.0 | 47.0 | 43.0 | 43.0 | 47.0 | 43.0 | 47.0 | 43.0 | 43.0 | 43.0 |
| IV 14000 | 0.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| IV 12000 | 0.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| IV 10000 | 1.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 9000 | 1.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 8000 | 2.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| IV 7000 | 2.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| IV 6000 | 2.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| IV 5000 | 0.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 4500 | 0.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| IV 4000 | 0.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| IV 3500 | 0.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| IV 3000 | 0.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| IV 2500 | 0.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 2000 | 0.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| IV 1800 | 0.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 1500 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 1200 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 1000 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 900 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 800 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 700 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 600 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 500 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 400 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 300 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 200 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 100 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 0 | 0.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - L E T

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.0 | 50.0 | 50.0 | 75.0 | 75.0 | 60.0 | 35.0 | 5.0 | 15.0 | 15.0 | 35.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 20000 | 1.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| IV 18000 | 1.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| IV 16000 | 1.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| IV 14000 | 1.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| IV 12000 | 1.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| IV 10000 | 1.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 9000 | 1.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 8000 | 1.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 7000 | 1.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 6000 | 1.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 5000 | 1.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 4500 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 4000 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 3500 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 3000 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 2500 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 2000 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1800 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1500 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1200 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 1000 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 900 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 800 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 700 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 600 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 500 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 400 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 300 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 200 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 100 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 0 | 1.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 41 YEARS: 1951-1952 MONTH: 2 HOURS: 11.5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 1.0 | 51.0 | 51.0 | 71.0 | 51.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 20000 | 1.0 | 51.0 | 51.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 18000 | 1.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 16000 | 1.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 14000 | 1.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 12000 | 1.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 10000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 9000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 8000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 7000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 6000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 5000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 4500 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 4000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 3500 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 3000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 2500 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 2000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 1800 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 1500 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 1200 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 1000 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 900 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 800 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 700 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 600 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 500 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 400 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 300 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 200 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 100 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| IV 0 | 1.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NO 00000, HI STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH ALL
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING
≥ 20000 | 45.7 | 45.7 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| IV 18000
IV 16000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 14000
IV 12000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 10000
IV 9000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 8000
IV 7000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 6000
IV 5000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 4500
IV 4000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 3500
IV 3000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 2500
IV 2000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 1800
IV 1500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 1200
IV 1000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 900
IV 800 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 700
IV 600 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 500
IV 400 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 300
IV 200 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 100
IV 0 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |

TOTAL NUMBER OF OBSERVATIONS 2430

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

KA HOME DAY, MI

STATION NAME

73-92

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 20000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 18000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 16000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 14000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 12000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 10000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 9000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 8000 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| IV 7000 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| IV 6000 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 5000 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| IV 4500 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| IV 4000 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 3500 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| IV 3000 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| IV 2500 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| IV 2000 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 1800 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
CAPE ROY, VA

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 20000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 18000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 16000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| IV 14000 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| IV 12000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| IV 10000 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 9000 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 8000 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 7000 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 6000 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| IV 5000 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| IV 4500 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| IV 4000 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| IV 3500 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| IV 3000 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| IV 2500 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 2000 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 1800 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 1500 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 1200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: FORT LANE, NC STATION: 73-72 YEAR: 1954 MONTH: JULY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ≥ 3/8 |
| NO CEILING | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| ≥ 20000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 18000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 16000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 14000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 12000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 10000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 9000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 8000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 7000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 6000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 5000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 4500 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 4000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 3500 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 3000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 2500 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 2000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 1800 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 1500 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 1200 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 1000 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 900 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 800 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 700 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 600 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 500 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 400 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 300 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 200 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 100 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 0 | 24.7 | 28.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 |
| NO CEILING | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| ≥ 20000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| IV 18000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| IV 14000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| IV 14000 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| IV 12000 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| IV 10000 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| IV 9000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 8000 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| IV 7000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| IV 6000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| IV 5000 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| IV 4500 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| IV 4000 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 3500 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| IV 3000 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| IV 2500 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| IV 2000 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| IV 1800 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 1500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
FA 304F BAY, 41

71-32

YEAR

1964

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.E.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| ≥ 20000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IN 18000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IN 16000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IN 14000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IN 12000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IN 10000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IN 9000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IN 8000 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IN 7000 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IN 6000 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IN 5000 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| IN 4500 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| IN 4000 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| IN 3500 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| IN 3000 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| IN 2500 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| IN 2000 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IN 1800 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IN 1500 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IN 1200 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IN 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IN 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
A. J. R. BAY, HI

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS IN DAY

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 5.7 | 22.3 | 27.3 | 29.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| ≥ 20000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 18000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 16000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 14000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 12000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 10000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 9000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 8000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 7000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 6000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 5000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 4500 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 4000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 3500 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 3000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 2500 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 2000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 1800 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 1500 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 1200 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 1000 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 900 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 800 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 700 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 600 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 500 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 400 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 300 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 200 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 100 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 0 | 34.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 50 4 54Y, 41

11-31

00

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| ≥ 20000 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| IV 18000 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| IV 16000 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| IV 14000 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| IV 12000 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| IV 10000 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| IV 9000 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| IV 8000 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| IV 7000 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| IV 6000 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| IV 5000 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| IV 4500 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 4000 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 3500 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| IV 3000 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 2500 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 2000 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 1800 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 1500 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 1200 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 1000 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 900 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 800 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 700 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 600 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 500 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 400 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 300 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 200 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 100 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
PINE BLUFF, MS

77-07

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 20000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 18000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 16000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 14000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 12000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 10000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 9000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 8000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 7000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 6000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 5000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 4500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 4000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 3500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 3000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 2500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 2000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 1800 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 1500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 1200 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 1000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 900 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 800 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 700 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 600 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 400 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 300 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 200 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 100 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 0 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |

TOTAL NUMBER OF OBSERVATIONS

2 14

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.0 | 43.2 | 47.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| ≥ 20000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 18000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 16000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 14000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 12000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 10000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 9000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 8000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 7000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 6000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 5000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 4500 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 4000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 3500 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 3000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 2500 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 2000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 1800 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 1500 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 1200 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 1000 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 900 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 800 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 700 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 600 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 500 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 400 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 300 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 200 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 100 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 0 | 1.0 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| ≥ 20000 | 7.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 18000 | 7.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 16000 | 7.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 14000 | 7.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 12000 | 7.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 10000 | 7.1 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 9000 | 7.1 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 8000 | 7.1 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 7000 | 7.1 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 6000 | 7.1 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 5000 | 7.1 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 4500 | 1.0 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 4000 | 1.0 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| IV 3500 | 1.0 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| IV 3000 | 1.0 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| IV 2500 | 1.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| IV 2000 | 1.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| IV 1800 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1500 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1200 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1000 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 900 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 800 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 700 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 600 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 500 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 400 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 300 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 200 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 100 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 0 | 1.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 1.7 | 1.7 | 31.7 | 11.7 | 51.7 | 11.7 | 31.7 | 11.7 | 31.7 | 11.7 | 31.7 | 11.7 | 1.7 | 1.7 | 11.7 | 11.7 |
| ≥ 20000 | 1.7 | 1.7 | 31.7 | 11.7 | 51.7 | 11.7 | 31.7 | 11.7 | 31.7 | 11.7 | 31.7 | 11.7 | 1.7 | 1.7 | 11.7 | 11.7 |
| IV 18000 | 1.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| IV 16000 | 1.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| IV 14000 | 1.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| IV 12000 | 1.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| IV 10000 | 1.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| IV 9000 | 1.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| IV 8000 | 1.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| IV 7000 | 1.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| IV 6000 | 1.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| IV 5000 | 1.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| IV 4500 | 1.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 4000 | 1.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| IV 3500 | 1.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| IV 3000 | 1.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 2500 | 1.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 2000 | 1.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| IV 1800 | 1.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1500 | 1.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| IV 1200 | 1.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| IV 1000 | 1.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| IV 900 | 1.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| IV 800 | 1.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 700 | 1.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| IV 600 | 1.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| IV 500 | 1.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| IV 400 | 1.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 300 | 1.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| IV 200 | 1.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| IV 100 | 1.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| IV 0 | 1.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME ASHEVILLE, NC YEAR 1950 MONTH JUL
 STATION 11 HOURS (L.S.T.) 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| ≥ 20000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 18000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 16000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 14000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 12000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 10000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 9000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 8000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 7000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 6000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 5000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 4500 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 4000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 3500 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 3000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 2500 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 2000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1800 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1500 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1200 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 1000 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 900 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 800 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 700 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 600 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 500 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 400 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 300 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 200 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 100 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| IV 0 | 23.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: FA 100, 84V, 42 STATION NAME: ASHEVILLE, NC YEARS: 1961 MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 76.4 | 79.4 | 35.4 | 39.4 | 39.4 | 79.4 | 37.4 | 75.4 | 35.4 | 30.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| ≥ 20000 | 3.7 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 18000 | 3.7 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 16000 | 3.7 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 14000 | 4.2 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| ≥ 12000 | 4.5 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 10000 | 4.5 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 9000 | 4.5 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 8000 | 4.1 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| ≥ 7000 | 4.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| ≥ 6000 | 4.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| ≥ 5000 | 2.6 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 4500 | 1.3 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 4000 | 1.3 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 3500 | 1.3 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 3000 | 5.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 2500 | 1.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 2000 | 6.7 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 1800 | 7.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 1600 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1400 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 5.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
HAWK HARBOR, HI

DATE

YEAR

MONTH

17

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 27.5 | 45.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| ≥ 20000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: VA 2000 24th, MI STATION NAME: YEARS: MONTH: HOURS (L.S.T.):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ ¼ |
| NO CEILING | 1.5 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 20000 | 1.5 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IV 18000 | 1.5 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IV 16000 | 1.5 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IV 14000 | 1.5 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 12000 | 1.5 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| IV 10000 | 1.5 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| IV 9000 | 1.5 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| IV 8000 | 1.5 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| IV 7000 | 1.5 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| IV 6000 | 1.5 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| IV 5000 | 1.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| IV 4500 | 1.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| IV 4000 | 1.5 | 70.7 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| IV 3500 | 1.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 3000 | 1.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| IV 2500 | 1.5 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| IV 2000 | 1.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| IV 1800 | 1.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1500 | 1.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1200 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1000 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 1.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME

73-22

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| ≥ 20000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 18000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 16000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 14000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 12000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 10000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 9000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 8000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 7000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 6000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 5000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 4500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 4000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 3500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 3000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 2500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 2000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 1800 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 1500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 1200 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 1000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 900 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 800 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 700 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 600 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 400 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 300 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 200 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 100 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 0 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION: 340000 YEARS: 1951 MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 3 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 38.6 | 31.6 | 21.6 | 31.6 | 31.6 | 38.6 | 38.6 | 31.6 | 31.6 | 38.6 | 31.6 | 38.6 | 31.6 | 38.6 | 31.6 | 31.6 |
| ≥ 20000 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥ 18000 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥ 16000 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥ 14000 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥ 12000 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥ 10000 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 9000 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 8000 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 7000 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 6000 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 5000 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 4500 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| ≥ 4000 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 3500 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 3000 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| ≥ 2500 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| ≥ 2000 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 1800 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 1500 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

NA 70-1 AY, NJ

STATION NAME

77-42

YEARS

ALT

FOOT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 4.5 | 41.4 | 41.4 | 41.4 | 41.4 | 46.4 | 47.4 | 48.4 | 48.4 | 48.4 | 47.4 | 46.4 | 47.4 | 48.4 | 48.4 | 48.4 |
| ≥ 20000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 18000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 14000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 10000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 8000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 6000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 5000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 4000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 3000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 2500 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 2000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 1800 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 1500 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 1200 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 1000 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 900 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 800 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 700 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 600 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 500 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 400 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 300 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 200 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 100 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 0 | 47.4 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 20000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 18000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 16000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 14000 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| 12000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 10000 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 9000 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 8000 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 7000 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 6000 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 5000 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 4500 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 4000 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 3500 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 3000 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 2500 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 2000 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 1800 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 1500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
NA FORT BAY, HI

73-62

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

GROUP (L S T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 31.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| ≥ 20000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 18000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 16000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 14000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 12000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 10000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 9000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 8000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 7000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 6000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 5000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 4500 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 4000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 3500 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 3000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 2500 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 2000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 1800 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 1500 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 1200 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 1000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 900 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 800 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 700 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 600 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 500 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 400 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 300 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 200 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 100 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 0 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NAME: YEARS: MONTH: HOURS (L & T):

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ¼ | ≥ 0 |
| NO CEILING | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 20000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 18000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 16000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 14000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 12000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 10000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 9000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 8000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 7000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 6000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 5000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 4500 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 4000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 3500 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 3000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 2500 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 2000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 1800 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 1500 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 1200 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 1000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 900 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 800 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 700 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 600 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 500 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 400 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 300 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 200 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 100 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 0 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |

TOTAL NUMBER OF OBSERVATIONS: 315

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 17045 NAV, 47 STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.4 | 45.5 | 4.5 | 4.5 | 4.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 4.5 |
| ≥ 20000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 18000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 16000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 14000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 12000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 10000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 9000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 8000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 7000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 6000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 5000 | 1.4 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 4500 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 4000 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 3500 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 3000 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 2500 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 2000 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 1800 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 1500 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 1200 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 1000 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 900 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 800 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 700 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 600 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 500 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 400 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 300 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 200 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 100 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 0 | 1.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |

TOTAL NUMBER OF OBSERVATIONS 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0 | ≥ 0 |
| NO CEILING | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 20000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 18000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 16000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 14000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 12000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 10000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 9000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 8000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 7000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 6000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 5000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 4500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 4000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 3500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 3000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 2500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 2000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1800 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1200 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 900 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 800 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 700 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 600 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 400 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 300 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 200 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 100 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 20000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 18000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 16000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 14000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 12000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 10000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 9000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 8000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 7000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 6000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 5000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 4500 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 4000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 3500 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 3000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 2500 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 2000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 1800 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 1500 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 1200 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 1000 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 900 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 800 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 700 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 600 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 500 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 400 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 300 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 200 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 100 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| IV 0 | 1.0 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 0 |
| NO CEILING | 0.0 | 0.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 20000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 18000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 16000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 14000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 12000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 10000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 9000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 8000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 7000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 6000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 5000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 4500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 4000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 3500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 3000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 2500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 2000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1800 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1200 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 1000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 900 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 800 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 700 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 600 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 500 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 400 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 300 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 200 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 100 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3-1
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/10 | ≥ 0 | ≥ 0 |
| NO CEILING | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 20000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 18000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 16000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 14000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 12000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 10000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 9000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 8000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 7000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 6000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 5000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 4500 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 4000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 3500 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 3000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 2500 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 2000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 1800 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 1500 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 1200 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 1000 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 900 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 800 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 700 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 600 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 500 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 400 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 300 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 200 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 100 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| IV 0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1950-1951 MONTHS: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 20000 | 4.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| IV 18000 | 4.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| IV 14000 | 4.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| IV 14000 | 4.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| IV 12000 | 4.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| IV 10000 | 4.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| IV 9000 | 4.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| IV 8000 | 4.5 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 7000 | 4.5 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 6000 | 4.5 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 5000 | 4.5 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| IV 4500 | 4.5 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| IV 4000 | 4.5 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| IV 3500 | 4.5 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| IV 3000 | 4.5 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| IV 2500 | 4.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| IV 2000 | 4.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 1800 | 4.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| IV 1500 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 1200 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 1000 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 900 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 800 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 700 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 600 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 500 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 400 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 300 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 200 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 100 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| IV 0 | 4.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |

TOTAL NUMBER OF OBSERVATIONS: 259

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION POINT LENOIR, NC STATION NAME POINT LENOIR, NC YEARS 1950-52 MONTH SEP
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|---------|------|---------|---------|------|-------|-------|------|
| | ≥ 10 | ≥ 9 | ≥ 8 | ≥ 7 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 0 |
| NO CEILING | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| ≥ 20000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 18000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 16000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 14000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 12000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 10000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 9000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 8000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 7000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 6000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 5000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 4500 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 4000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 3500 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 3000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 2500 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 2000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 1800 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 1500 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 1200 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 1000 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 900 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 800 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 700 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 600 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 500 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 400 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 300 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 200 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 100 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 0 | 1.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |

TOTAL NUMBER OF OBSERVATIONS 5

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LAURENCE, NC

STATION NAME

1950

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 2.1 | 43.6 | 4.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 20000 | 2.1 | 43.6 | 5.2 | 51.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| IV 18000 | 2.1 | 43.6 | 5.2 | 51.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| IV 16000 | 2.1 | 43.6 | 5.2 | 51.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| IV 14000 | 2.1 | 43.6 | 5.2 | 51.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| IV 12000 | 2.1 | 43.6 | 5.2 | 51.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| IV 10000 | 4.6 | 47.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IV 9000 | 4.6 | 47.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IV 8000 | 4.6 | 47.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IV 7000 | 4.6 | 47.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IV 6000 | 4.6 | 47.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IV 5000 | 4.6 | 47.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IV 4500 | 1.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 4000 | 1.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 3500 | 1.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| IV 3000 | 4.6 | 70.6 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| IV 2500 | 1.5 | 8.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| IV 2000 | 1.5 | 8.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| IV 1800 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1500 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1200 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1000 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 900 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 800 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 700 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 600 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 500 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 400 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 300 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 200 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 100 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 0 | 1.5 | 88.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS

259

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 14 HOME BAY, MI STATION NAME 7-1-55 YEARS MONTH 11 HOURS 11 57

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 20000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 18000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 16000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 14000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 12000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 10000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 9000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 8000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 7000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 6000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 5000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 4500 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 4000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 3500 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 3000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 2500 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 2000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 1800 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 1600 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 1400 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 1200 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 1000 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 900 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 800 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 700 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 600 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 500 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 400 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 300 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 200 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 100 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 0 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 4.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |

TOTAL NUMBER OF OBSERVATIONS 219

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME WATKINS, NC YEARS 1950-51 MONTH SEP
 STATION 01 HOURS (LST) 17

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 20000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 18000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 16000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 14000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 12000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 10000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 9000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 8000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 7000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 6000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 5000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 4500 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 4000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 3500 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 3000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 2500 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 2000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 1800 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 1500 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 1200 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 1000 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 900 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 800 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 700 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 600 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 500 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 400 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 300 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 200 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 100 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| ≥ 0 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: 12 CORP FAL, HI YEAR: 1950 MONTH: SEP
 STATION: 12 CORP FAL, HI HOURS (LST): 0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 20000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 18000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 16000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 14000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 12000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 10000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 9000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 8000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 7000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 6000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 5000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 4500 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 4000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 3500 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 3000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 2500 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 2000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 1800 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 1500 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 1200 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 1000 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 900 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 800 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 700 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 600 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 500 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 400 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 300 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 200 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 100 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| IV 0 | 45.1 | 42.1 | 42.1 | 43.1 | 41.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
ASHEVILLE, NC

DATE
7-1-82

YEARS

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

27
HOURS (L & Y)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 5.1 | 11.3 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| ≥ 20000 | 5.1 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 18000 | 4.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 16000 | 4.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 14000 | 4.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 12000 | 4.8 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| ≥ 10000 | 4.8 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 9000 | 4.8 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 8000 | 4.8 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 7000 | 4.8 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 6000 | 4.8 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 5000 | 4.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 4500 | 4.1 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 4000 | 4.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| ≥ 3500 | 4.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥ 3000 | 4.4 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 2500 | 72.3 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 2000 | 72.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 1800 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1600 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1400 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 86.0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & N)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

212

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1955 MONTH: SEP
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS (LST): 00

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|----------------|----------------------------|-------|-------|-------|-------|---------|-------|---------|---------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 4.7 | 56.1 | 57.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| ≥ 18000 | 0.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| ≥ 16000 | 0.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| ≥ 14000 | 0.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| ≥ 12000 | 0.0 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥ 10000 | 0.0 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 9000 | 0.0 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 8000 | 0.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| ≥ 7000 | 0.0 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 6000 | 0.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 5000 | 0.0 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 4500 | 0.0 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 4000 | 0.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 3500 | 0.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 3000 | 0.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 2500 | 0.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 2000 | 0.0 | 96.5 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 1800 | 0.0 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1500 | 0.0 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1200 | 0.0 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1000 | 0.0 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 900 | 0.0 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 800 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 0.0 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

GROUP 11.5.7

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 20000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 18000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 16000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 14000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 12000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 10000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 9000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 8000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 7000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 6000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 5000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| IV 4500 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 4000 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 3500 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 3000 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| IV 2500 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 2000 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 1800 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 1500 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 1200 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 1000 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 900 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 800 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 700 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 600 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 500 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 400 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 300 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 200 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 100 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| IV 0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAVY PAV, 47 STATION NAME 77-37 YEARS 1951 MONTH 1951

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| ≥ 20000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 18000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 16000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 14000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 12000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 10000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 9000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 8000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 7000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 6000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 5000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 4500 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 4000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 3500 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 3000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 2500 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 2000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 1800 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 1500 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 1200 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 1000 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 900 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 800 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 700 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 600 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 500 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 400 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 300 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 200 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 100 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 0 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| ≥ 20000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 18000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 16000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 14000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 12000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 10000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 9000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 8000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 7000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 6000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 5000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 4500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 4000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 3500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 3000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 2500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 2000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 1800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 1500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 1200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 1000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 900 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 700 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IV 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

7-4

YEARS

007

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 20000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 18000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 16000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 14000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 12000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 10000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 9000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 8000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 7000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 6000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 5000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 4500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 4000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 3500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 3000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 2500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 2000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1800 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1200 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 1000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 900 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 800 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 700 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 600 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 500 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 400 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 300 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 200 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 100 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 7.4 | 11.4 | 3.4 | 38.4 | 3.4 | 38.4 | 32.4 | 38.4 | 34.4 | 38.4 | 32.4 | 38.4 | 34.4 | 38.4 | 34.4 | 74.4 |
| ≥ 20000 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| IV 18000 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| IV 16000 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| IV 14000 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| IV 12000 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| IV 10000 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 9000 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| IV 8000 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| IV 7000 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| IV 6000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 5000 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| IV 4500 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| IV 4000 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| IV 3500 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| IV 3000 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 2500 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| IV 2000 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| IV 1800 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 1500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1200 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC

75-30

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOVEMBER 1951

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 20000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 18000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 16000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 14000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 12000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 10000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 9000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 8000 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| IV 7000 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 6000 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 5000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 4500 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| IV 4000 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| IV 3500 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| IV 3000 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 2500 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| IV 2000 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 1800 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| IV 1500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1200 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: NO 757 247, WT STATION NAME: YEARS: MONTH:
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 2' HOURE (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 52.6 | 55.8 | 57.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| ≥ 20000 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 18000 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 16000 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 14000 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 12000 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥ 10000 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 9000 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 8000 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 7000 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 6000 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 5000 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| ≥ 4500 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥ 4000 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 3500 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 3000 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| ≥ 2500 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 2000 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 1800 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: KATONAH BAY, HI STATION NAME: 17-02 YEARS: 1971 MONTH: 01

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ¼ | ≥ 0 |
| NO CEILING | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 20000 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| ≥ 18000 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥ 16000 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥ 14000 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 12000 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| ≥ 10000 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 9000 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 8000 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| ≥ 7000 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥ 6000 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 5000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 4500 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| ≥ 4000 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 3500 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| ≥ 3000 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| ≥ 2500 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 2000 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 1800 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 1500 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 1200 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1000 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 900 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 800 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 700 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 600 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 500 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 400 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 300 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 100 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS: 2500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|---------|------|-------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 1/8 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 0 |
| NO CEILING | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| ≥ 20000 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 18000 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 16000 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 14000 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 12000 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 10000 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 9000 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 8000 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 7000 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 6000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 5000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 4500 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 4000 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 3500 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 3000 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 2500 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 2000 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 1800 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1500 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1200 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 1000 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 900 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 800 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 700 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 600 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 500 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 400 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 300 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 200 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 100 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS

99

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1957

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

US
HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.7 | 4.7 | 47.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| ≥ 20000 | 1.7 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 18000 | 4.7 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 16000 | 4.7 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 14000 | 4.7 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 12000 | 4.7 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 10000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 9000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 8000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 7000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 6000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 5000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 4500 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 4000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 3500 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 3000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 2500 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 2000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 1800 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 1500 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 1200 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 1000 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 900 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 800 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 700 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 600 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 500 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 400 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 300 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 200 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 100 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 0 | 4.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 45000, HZ

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| ≥ 20000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 18000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 16000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 14000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 12000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 10000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 9000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 8000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 7000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 6000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 5000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 4500 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 4000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 3500 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 3000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 2500 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 2000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 1800 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 1500 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 1200 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 1000 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 900 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 800 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 700 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 600 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 500 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 400 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 300 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 200 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 100 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 0 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.7 | 7.7 | 37.7 | 37.7 | 37.7 | 7.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| ≥ 20000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 18000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 16000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 14000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 12000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 10000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 9000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 8000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 7000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 6000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 5000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 4500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 4000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 3500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 3000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 2500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 2000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 1800 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 1500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 1200 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 1000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 900 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 800 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 700 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 600 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 400 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 300 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 200 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 100 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 0 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOVES (L S F)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| ≥ 20000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 18000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 16000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 14000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| IV 12000 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| IV 10000 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| IV 9000 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| IV 8000 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| IV 7000 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| IV 6000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 5000 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| IV 4500 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| IV 4000 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| IV 3500 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 3000 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| IV 2500 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| IV 2000 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 1800 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 1500 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 1200 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 1000 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 900 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 800 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 700 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 600 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 500 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 400 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 300 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 200 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 100 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L S T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|------|------|-----|---------|------|---------|---------|------|-------|-------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 31.0 | 31.0 | 1.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 20000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 18000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 16000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 14000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 12000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 10000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 9000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 8000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 7000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 6000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 5000 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 4300 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 4000 | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| IV 3300 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 3000 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 2500 | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 2000 | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| IV 1800 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 1500 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 1200 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 1000 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 900 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 800 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 700 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 600 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 500 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 400 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 300 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 200 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 100 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| IV 0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: W. J. P. H. I. YEAR: MONTH: HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 20000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 18000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 16000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 14000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 12000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 10000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 9000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 8000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 7000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 6000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 5000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 4500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 4000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 3500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 3000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 2500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 2000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 1800 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 1500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 1200 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 1000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 900 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 800 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 700 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 600 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 400 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 300 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 200 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 100 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 0 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L S T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| ≥ 20000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 18000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 16000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 14000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 12000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 10000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 9000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 8000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 7000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 6000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 5000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 4500 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 4000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 3500 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 3000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 2500 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 2000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 1800 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 1500 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 1200 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 1000 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 900 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 800 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 700 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 600 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 500 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 400 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 300 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 200 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 100 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| IV 0 | 1.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 20000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| ≥ 20000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 18000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 16000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 14000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 12000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 10000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 9000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 8000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 7000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 6000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 5000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 4500 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 4000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 3500 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 3000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 2500 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 2000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 1800 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 1500 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 1200 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 1000 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 900 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 800 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 700 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 600 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 500 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 400 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 300 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 200 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 100 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| IV 0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951 MONTH: 12 HOURS (LST): 12

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: NAVY, HI STATION NAME: NAVY, HI YEARS: 1951-1952 MONTH: NOV
 STATION: NAVY, HI STATION NAME: NAVY, HI YEARS: 1951-1952 MONTH: NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 20000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 18000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 16000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 14000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 12000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 10000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 9000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 8000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 7000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 6000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 5000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 4500 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 4000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 3500 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 3000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 2500 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 2000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 1800 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 1500 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 1200 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 1000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 900 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 800 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 700 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 600 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 500 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 400 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 300 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 200 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 100 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| IV 0 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1955 MONTH: 11
 STATION: 11 HOURS (L.S.T.): 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| ≥ 20000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 18000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 16000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 14000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 12000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 10000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 9000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 8000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 7000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 6000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 5000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 4500 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 4000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 3500 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 3000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 2500 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 2000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 1800 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 1500 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 1200 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 1000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 900 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 800 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 700 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 600 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 500 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 400 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 300 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 200 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 100 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| IV 0 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |

TOTAL NUMBER OF OBSERVATIONS: 21

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NO. 111, H1

1957

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| ≥ 20000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 18000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 16000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| IV 14000 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| IV 12000 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| IV 10000 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| IV 9000 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| IV 8000 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| IV 7000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 6000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 5000 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| IV 4500 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| IV 4000 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| IV 3500 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| IV 3000 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 2500 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| IV 2000 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| IV 1800 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 1500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1200 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

NAVAIRCEANMET

STATION NAME

YEARS

ROOTS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L & T)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| ≥ 20000 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| IV 18000 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| IV 16000 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| IV 14000 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| IV 12000 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| IV 10000 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| IV 9000 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| IV 8000 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| IV 7000 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| IV 6000 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| IV 5000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 4500 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| IV 4000 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| IV 3500 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| IV 3000 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| IV 2500 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| IV 2000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| IV 1800 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 1500 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 1200 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 1000 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 900 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 800 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 12-5 YEARS: 1950 MONTH: DECEMBER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 11.0 | 18.0 | 41.0 | 41.0 | 47.0 | 48.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 20000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 18000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 16000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 14000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 12000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 10000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 9000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 8000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 7000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 6000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 5000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 4500 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 4000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 3500 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 3000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 2500 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 2000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 1800 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 1500 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 1200 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 1000 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 900 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 800 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 700 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 600 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 500 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 400 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 300 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 200 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 100 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 0 | 11.0 | 18.0 | 50.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

FA 7000 2A 1 HI

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2
HOURS LL BY 1

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| ≥ 20000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 18000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 16000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 14000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 12000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 10000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 9000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 8000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 7000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 6000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 5000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 4500 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 4000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 3500 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 3000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 2500 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 2000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 1800 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 1500 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 1200 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 1000 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 900 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 800 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 700 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 600 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 500 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 400 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 300 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 200 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 100 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 0 | 44.4 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |

TOTAL NUMBER OF OBSERVATIONS

304

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

DATE

MONTH

DAY

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 20000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 18000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 16000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 14000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 12000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 10000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 9000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 8000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 7000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 6000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 5000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 4500 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 4000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 3500 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 3000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 2500 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 2000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 1800 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 1500 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 1200 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 1000 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 900 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 800 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 700 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 600 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 500 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 400 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 300 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 200 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 100 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IV 0 | 41.7 | 45.9 | 47.3 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 14 007 300 4T STATION NAME: YEARS: MONTH: 41.1 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 20000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| IV 18000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| IV 16000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| IV 14000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| IV 12000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 10000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 9000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 8000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 7000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 6000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 5000 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| IV 4500 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 4000 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| IV 3500 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| IV 3000 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| IV 2500 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| IV 2000 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 1800 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 1500 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 1200 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 1000 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 900 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 800 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 700 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 600 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 500 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 400 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 300 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 200 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 100 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 25104

DIRNAVOCEANMET SMOS

159

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | 12 | 3.7 | | | 42.6 | | | | | | 23.4 | 19.4 | 5.8 | 110 |
| | 14 | 12.2 | | | 35.6 | | | | | | 31.3 | 20.3 | 5.9 | 110 |
| | 16 | 1.7 | | | 34.2 | | | | | | 46.5 | 14.0 | 6.6 | 110 |
| | 18 | 1.0 | | | 41.0 | | | | | | 43.5 | 12.6 | 6.4 | 110 |
| | 20 | .7 | | | 41.0 | | | | | | 43.0 | 14.8 | 6.7 | 110 |
| | 22 | 1.0 | | | 39.4 | | | | | | 44.0 | 15.6 | 6.8 | 110 |
| | 24 | 3.8 | | | 41.6 | | | | | | 33.0 | 21.0 | 6.4 | 110 |
| | 26 | 0.0 | | | 39.0 | | | | | | 33.0 | 18.1 | 6.0 | 110 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 5.4 | | | 39.3 | | | | | | 33.3 | 17.0 | 6.3 | 2480 |

NAVWEASERVCOM

SKY COVER

STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|-------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| | 00 | 0.9 | | | 43.3 | | | | | | 34.2 | 11.7 | 5.7 |
| | 01 | 0.6 | | | 42.0 | | | | | | 34.0 | 13.5 | 5.7 |
| | 02 | 0.0 | | | 32.6 | | | | | | 47.5 | 13.8 | 6.6 |
| | 03 | 0.0 | | | 41.1 | | | | | | 47.5 | 17.4 | 6.6 |
| | 04 | 0.4 | | | 37.0 | | | | | | 46.0 | 15.6 | 6.9 |
| | 05 | 1.1 | | | 31.7 | | | | | | 41.5 | 19.8 | 6.9 |
| | 06 | 0.0 | | | 42.0 | | | | | | 35.0 | 15.2 | 6.0 |
| | 07 | 0.6 | | | 30.4 | | | | | | 34.5 | 14.5 | 5.9 |
| | 08 | | | | | | | | | | | | |
| | 09 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | |
| | 16 | | | | | | | | | | | | |
| | 17 | | | | | | | | | | | | |
| | 18 | | | | | | | | | | | | |
| | 19 | | | | | | | | | | | | |
| | 20 | | | | | | | | | | | | |
| | 21 | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | |
| | 25 | | | | | | | | | | | | |
| | 26 | | | | | | | | | | | | |
| | 27 | | | | | | | | | | | | |
| | 28 | | | | | | | | | | | | |
| | 29 | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | |
| | 31 | | | | | | | | | | | | |
| | TOTALS | 0.3 | | | 30.8 | | | | | | 30.9 | 15.1 | 6.3 |

NAVWEASERVCOM

SKY COVER

77-92

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAY | 20 | 2.6 | | | 33.6 | | | | | | 43.1 | 20.0 | 7.0 | 210 |
| | 21 | 3.0 | | | 34.0 | | | | | | 39.0 | 22.3 | 6.2 | 210 |
| | 22 | 1.0 | | | 21.0 | | | | | | 56.1 | 18.7 | 7.6 | 210 |
| | 23 | .7 | | | 26.0 | | | | | | 52.1 | 20.0 | 6.6 | 210 |
| | 24 | .7 | | | 31.0 | | | | | | 47.7 | 18.4 | 6.3 | 210 |
| | 25 | .6 | | | 26.0 | | | | | | 47.0 | 18.4 | 6.5 | 210 |
| | 26 | .1 | | | 32.0 | | | | | | 47.7 | 18.7 | 6.2 | 210 |
| | 27 | 1.0 | | | 41.0 | | | | | | 42.0 | 14.2 | 4.6 | 210 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 1.0 | | | 71.4 | | | | | | 40.3 | 18.9 | 7.2 | 2400 |

NAYWEASERVCOM

3

STATION NAME

PERIOD

MONTH

11

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

AD A-150 703

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KATIEONE BAY (U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

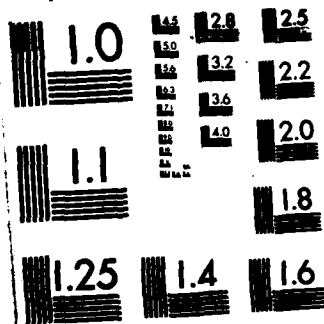
44

UNCLASSIFIED

F/G 4/2

44

END



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

3

444

POINT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| MAY | 02 | 1.7 | | | 37.4 | | | | | | 49.4 | 11.9 | 6.8 | 310 |
| | 07 | 1.9 | | | 35.5 | | | | | | 47.1 | 15.5 | 6.9 | 310 |
| | 08 | .7 | | | 30.3 | | | | | | 57.4 | 11.9 | 7.3 | 310 |
| | 11 | | | | 31.6 | | | | | | 55.2 | 13.2 | 7.2 | 310 |
| | 14 | .3 | | | 38.4 | | | | | | 51.0 | 10.3 | 6.8 | 310 |
| | 17 | | | | 37.3 | | | | | | 57.7 | 11.9 | 7.3 | 310 |
| | 20 | | | | 32.9 | | | | | | 54.5 | 12.6 | 7.2 | 310 |
| | 21 | | | | 47.7 | | | | | | 39.0 | 13.2 | 6.3 | 310 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | .6 | | | 35.5 | | | | | | 51.4 | 12.6 | 7.0 | 2487 |

NAVWEASERVCOM

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUN | 03 | | | | 40.3 | | | | | | 49.0 | 10.7 | 6.7 | 300 |
| | 06 | .7 | | | 37.0 | | | | | | 47.3 | 15.0 | 6.9 | 300 |
| | 09 | | | | 24.0 | | | | | | 62.0 | 14.0 | 7.7 | 300 |
| | 11 | | | | 25.7 | | | | | | 55.7 | 13.3 | 7.4 | 300 |
| | 14 | | | | 23.3 | | | | | | 61.3 | 10.3 | 7.4 | 300 |
| | 17 | | | | 25.7 | | | | | | 62.7 | 11.7 | 7.6 | 300 |
| | 20 | | | | 27.7 | | | | | | 59.0 | 13.3 | 7.5 | 300 |
| | 23 | | | | 35.3 | | | | | | 53.3 | 11.3 | 7.0 | 300 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | 01 | | | | 30.9 | | | | | | 56.6 | 12.5 | 7.3 | 2400 |

NAYWEASERVCOM

SKY COVER

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. | |
|-------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00 | .7 | | | 41.3 | | | | | | 47.7 | 10.6 | 6.6 | 710 |
| | 05 | .3 | | | 44.2 | | | | | | 44.2 | 11.3 | 6.4 | 310 |
| | 08 | | | | 29.0 | | | | | | 58.4 | 12.6 | 7.4 | 310 |
| | 11 | | | | 31.0 | | | | | | 59.7 | 9.4 | 7.2 | 310 |
| | 14 | | | | 36.5 | | | | | | 54.2 | 9.4 | 6.9 | 310 |
| | 17 | | | | 34.5 | | | | | | 54.1 | 9.4 | 7.0 | 310 |
| | 20 | .3 | | | 31.9 | | | | | | 56.1 | 11.6 | 7.2 | 310 |
| | 23 | | | | 44.2 | | | | | | 47.7 | 8.1 | 6.4 | 310 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

NAVWEASERVCOM

**C
3**

KANFOHE BAY, HI

73-42

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| AUG | 02 | .3 | | | 46.5 | | | | | | 42.9 | 10.3 | 6.3 | 310 |
| | 05 | .3 | | | 46.5 | | | | | | 44.2 | 9.0 | 6.3 | 310 |
| | 08 | | | | 31.0 | | | | | | 54.5 | 13.5 | 7.2 | 310 |
| | 11 | | | | 37.7 | | | | | | 51.9 | 10.3 | 6.8 | 310 |
| | 14 | | | | 42.3 | | | | | | 48.8 | 9.4 | 6.6 | 310 |
| | 17 | .3 | | | 35.5 | | | | | | 51.6 | 12.3 | 6.9 | 310 |
| | 20 | | | | 37.1 | | | | | | 50.0 | 12.9 | 6.9 | 310 |
| | 23 | .6 | | | 40.3 | | | | | | 48.1 | 11.0 | 6.6 | 310 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | .6 | | | 39.8 | | | | | | 49.0 | 11.1 | 6.7 | 2400 |

NAVWEASERVCOM

SKY COVER

KANEONE BAY, HI

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|-----|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| EP | 00 | 1.3 | | | 50.8 | | | | | | 43.1 | 4.7 | 5.9 | 299 |
| | 06 | 2.7 | | | 53.6 | | | | | | 39.5 | 4.7 | 5.6 | 299 |
| | 08 | 1.0 | | | 39.8 | | | | | | 54.5 | 4.7 | 6.6 | 299 |
| | 11 | | | | 40.2 | | | | | | 45.8 | 9.0 | 5.4 | 299 |
| | 14 | | | | 51.2 | | | | | | 43.2 | 5.0 | 6.0 | 299 |
| | 17 | | | | 44.1 | | | | | | 50.5 | 5.4 | 6.4 | 299 |
| | 20 | | | | 40.1 | | | | | | 43.5 | 6.4 | 6.7 | 299 |
| | 23 | 1.7 | | | 47.8 | | | | | | 45.2 | 5.4 | 6.0 | 299 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | .8 | | | 46.6 | | | | | | 47.0 | 5.7 | 6.2 | 2392 |

NAVWEASERVCOM

3

22

NOTES

①

①

①

SKY COVER

22519
STATION

KANEBOHE BAY, MI
STATION NAME

73-82
PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| NOV | 01 | 3.3 | | | 43.3 | | | | | | 37.7 | 15.7 | 6.3 | 300 |
| | 05 | 2.3 | | | 44.7 | | | | | | 39.3 | 13.7 | 6.2 | 300 |
| | 08 | | | | 30.0 | | | | | | 55.3 | 14.7 | 7.3 | 300 |
| | 11 | | | | 34.3 | | | | | | 51.7 | 14.0 | 7.1 | 300 |
| | 14 | | | | 20.3 | | | | | | 53.0 | 16.7 | 7.3 | 300 |
| | 17 | | | | 26.0 | | | | | | 59.3 | 12.7 | 7.4 | 300 |
| | 20 | 1.7 | | | 37.3 | | | | | | 46.0 | 15.3 | 6.8 | 300 |
| | 23 | 1.7 | | | 41.3 | | | | | | 45.0 | 12.0 | 6.5 | 300 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 1.1 | | | 36.2 | | | | | | 48.4 | 14.4 | 6.9 | 2400 |

NAVWEASERVCOM

SKY COVER

7219
STATION

KANFOE BAY, HI
STATION NAME

73-82
PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| DEC | 00 | 5.5 | | | 43.4 | | | | | | 38.5 | 12.6 | 6.0 | 309 |
| | 01 | 4.2 | | | 45.6 | | | | | | 39.2 | 11.0 | 6.0 | 309 |
| | 02 | .7 | | | 37.6 | | | | | | 47.9 | 14.2 | 6.9 | 309 |
| | 11 | .3 | | | 39.2 | | | | | | 45.3 | 15.2 | 6.8 | 309 |
| | 14 | .6 | | | 40.3 | | | | | | 43.2 | 15.9 | 6.7 | 308 |
| | 17 | .6 | | | 37.0 | | | | | | 46.1 | 16.2 | 6.9 | 308 |
| | 20 | 1.6 | | | 45.1 | | | | | | 38.3 | 14.0 | 6.3 | 308 |
| | 23 | 4.2 | | | 46.6 | | | | | | 37.5 | 11.7 | 6.9 | 309 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 5.2 | | | 41.8 | | | | | | 42.0 | 14.0 | 6.4 | 2469 |

NAYWEASERYCOM

3

SKY COVER

2019 KANOE BAY, HI

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 7.4 | | | 39.3 | | | | | | 38.3 | 17.0 | 6.3 | 2471 |
| FEB | | 5.7 | | | 39.8 | | | | | | 39.9 | 15.1 | 6.3 | 2254 |
| MAR | | 1.9 | | | 71.4 | | | | | | 48.3 | 18.9 | 7.2 | 2470 |
| APR | | .9 | | | 27.5 | | | | | | 51.7 | 20.0 | 7.5 | 2470 |
| MAY | | .7 | | | 35.5 | | | | | | 51.4 | 12.6 | 7.7 | 2471 |
| JUN | | .1 | | | 70.0 | | | | | | 58.6 | 12.5 | 7.3 | 2470 |
| JUL | | .1 | | | 36.6 | | | | | | 43.7 | 10.3 | 6.9 | 2471 |
| AUG | | .7 | | | 39.8 | | | | | | 49.0 | 11.1 | 6.7 | 2490 |
| SEP | | .7 | | | 44.6 | | | | | | 47.0 | 5.7 | 6.2 | 2392 |
| OCT | | 1.7 | | | 40.7 | | | | | | 47.5 | 17.6 | 6.6 | 2480 |
| NOV | | 1.1 | | | 36.2 | | | | | | 48.4 | 14.4 | 6.9 | 2470 |
| DEC | | 2.2 | | | 41.8 | | | | | | 42.0 | 14.0 | 6.4 | 2469 |
| TOTALS | | 1.4 | | | 37.2 | | | | | | 47.8 | 13.5 | 6.8 | 29197 |

NAVWEASERVCOM

NOCD, Federal Building
Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION NAME
KALLO F. LAY, HI

YEARS
45-47, 52-5, 57-65, 68-69

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 70 | | | | | | .1 | | .1 | 1. | 1.3 | .1 | .2 | .1 |
| 71 | 1. | 2.0 | 1.7 | 1.4 | 5.7 | 15.1 | 21.3 | 26.1 | 32.6 | 26.9 | 17.6 | 3.2 | 1.9 |
| 72 | 11.1 | 30.1 | 29.5 | 35.7 | 62.3 | 90.2 | 74.1 | 99.2 | 99.3 | 94.5 | 69.1 | 36.2 | 65.6 |
| 73 | 87.8 | 67.7 | 80.2 | 65.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 95.8 | 92.4 |
| 74 | 99.4 | 99.9 | 99.8 | 100.0 | 100.0 | | | | | | 100.0 | 100.0 | 99.9 |
| 75 | 100.0 | 100.0 | 100.0 | | | | | | | | | | 100.0 |
| 76 | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| MEAN | 77.1 | 77.9 | 78.1 | 78.9 | 80.3 | 81.8 | 82.6 | 83.5 | 83.9 | 83.2 | 81.6 | 78.7 | 80.7 |
| S.D. | 3.11 | 3.07 | 2.96 | 2.61 | 2.46 | 2.22 | 2.27 | 2.03 | 2.24 | 2.51 | 2.73 | 2.65 | 3.04 |
| TOTAL OBS. | 853 | 740 | 837 | 830 | 884 | 869 | 929 | 930 | 877 | 899 | 870 | 899 | 1044 |

NAVWEASERVCOM

3

DAILY TEMPERATURES

STATION

KATEORH PAV, HI
STATION NAME45-47, 52-55, 57-65, 68-82
YEARSCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

INCHES

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 65 | | | | | | | | .1 | .1 | .6 | | | .1 |
| 66 | | .3 | .7 | .2 | 1.1 | 7.7 | 24.2 | 37.6 | 55.6 | 61.6 | 38.9 | 17.7 | 21.2 |
| 67 | 30.2 | 37.6 | 42.2 | 64.3 | 83.3 | 92.4 | 96.9 | 98.4 | 99.2 | 95.9 | 83.6 | 56.3 | 74.7 |
| 68 | 88.5 | 88.8 | 95.2 | 98.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 96.1 | 97.3 |
| 69 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | | 100.0 | 100.0 | 100.0 |
| 70 | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| MEAN | 67.2 | 67.4 | 68.8 | 70.1 | 71.4 | 72.9 | 73.6 | 74.5 | 74.9 | 73.9 | 72.7 | 69.7 | 71.5 |
| S.D. | 2.556 | 2.871 | 2.541 | 2.241 | 2.129 | 2.246 | 2.285 | 2.147 | 2.136 | 2.361 | 2.554 | 2.799 | 3.374 |
| TOTAL OBS. | 77 | 76 | 847 | 831 | 884 | 869 | 979 | 930 | 876 | 899 | 87 | 899 | 10487 |

NAVWEASERVCOM

DAILY TEMPERATURES

12 12
STATION

KATOWE RAY, MT
STATION NAME

45-47, 52-55, 57-65, 68-82
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2 | | | | | | | | | | | | | .1 |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | |
| 42 | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | |
| 47 | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | |
| 57 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| MEAN | 73.5 | 73.4 | 73.7 | 74.7 | 76.1 | 77.7 | 78.3 | 79.3 | 79.7 | 78.8 | 76.7 | 74.5 | 76.4 |
| S.D. | 2.670 | 2.618 | 2.453 | 2.178 | 2.058 | 1.989 | 2.022 | 1.796 | 1.899 | 2.162 | 2.342 | 2.427 | 3.167 |
| TOTAL OBS. | 863 | 760 | 837 | 830 | 884 | 869 | 929 | 930 | 876 | 899 | 870 | 899 | 10446 |

NAVWEASERVCOM

121039

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1219

VALENCIA BAY, MI

1946-1949

1953-1955

9999-9999

JANUARY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | MINIMUM TEMP | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--------------|------|---------|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | | AVERAGE | | EXTREME | | |
| | °F | °C | °F | °C | °F | °C | DATE | °F | °C | °F | °C | DATE |
| 1 | 73.0 | 22.8 | 77.7 | 25.4 | 87 | 30.6 | 1981 | 68.3 | 20.2 | 60 | 15.6 | 1973 |
| 2 | 73.6 | 23.1 | 77.9 | 25.5 | 83 | 28.3 | 1983* | 69.3 | 20.7 | 65 | 18.3 | 1973 |
| 3 | 73.6 | 23.1 | 78.2 | 25.7 | 84 | 28.9 | 1946 | 68.9 | 20.5 | 62 | 16.7 | 1947 |
| 4 | 73.7 | 23.2 | 78.6 | 25.9 | 84 | 28.9 | 1983* | 68.8 | 20.4 | 63 | 17.2 | 1971 |
| 5 | 73.8 | 23.2 | 78.9 | 26.1 | 85 | 29.4 | 1979 | 68.7 | 20.4 | 60 | 15.6 | 1947 |
| 6 | 73.3 | 22.9 | 77.8 | 25.4 | 84 | 28.9 | 1981 | 68.7 | 20.4 | 62 | 16.7 | 1971* |
| 7 | 72.8 | 22.7 | 77.2 | 25.1 | 84 | 28.9 | 1980 | 68.4 | 20.2 | 60 | 15.6 | 1971 |
| 8 | 73.3 | 22.9 | 78.1 | 25.6 | 84 | 28.9 | 1983 | 68.4 | 20.2 | 60 | 15.6 | 1949 |
| 9 | 72.8 | 22.7 | 77.9 | 25.5 | 83 | 28.3 | 1983 | 67.8 | 19.9 | 60 | 15.6 | 1949 |
| 10 | 72.9 | 22.7 | 77.9 | 25.5 | 85 | 29.4 | 1981 | 68.0 | 20.0 | 62 | 16.7 | 1970* |
| 11 | 72.9 | 22.7 | 77.8 | 25.4 | 84 | 28.9 | 1977 | 68.1 | 20.1 | 62 | 16.7 | 1947 |
| 12 | 72.9 | 22.7 | 77.9 | 25.5 | 82 | 27.8 | 1981* | 67.9 | 19.9 | 62 | 16.7 | 1949* |
| 13 | 73.7 | 23.2 | 78.9 | 26.1 | 87 | 30.6 | 1950 | 68.5 | 20.3 | 62 | 16.7 | 1949 |
| 14 | 73.0 | 23.3 | 79.2 | 26.2 | 86 | 30.0 | 1981 | 68.6 | 20.3 | 62 | 16.7 | 1947 |
| 15 | 73.8 | 23.2 | 79.2 | 26.2 | 87 | 30.6 | 1981 | 68.4 | 20.2 | 61 | 16.1 | 1947 |
| 16 | 74.1 | 23.4 | 79.1 | 26.2 | 87 | 30.6 | 1980 | 69.1 | 20.6 | 64 | 17.8 | 1949 |
| 17 | 73.7 | 23.2 | 78.8 | 26.0 | 86 | 30.0 | 1983 | 68.7 | 20.4 | 62 | 16.7 | 1949 |
| 18 | 73.8 | 23.2 | 78.7 | 25.9 | 85 | 29.4 | 1975 | 68.9 | 20.5 | 64 | 17.8 | 1971* |
| 19 | 74.1 | 23.4 | 79.4 | 26.3 | 87 | 30.6 | 1974 | 68.8 | 20.4 | 64 | 17.8 | 1971* |
| 20 | 73.2 | 22.9 | 78.4 | 25.8 | 86 | 30.0 | 1975 | 68.1 | 20.1 | 63 | 17.2 | 1969 |
| 21 | 72.9 | 22.7 | 78.2 | 25.7 | 85 | 29.4 | 1975* | 67.6 | 19.8 | 60 | 15.6 | 1955 |
| 22 | 73.0 | 22.8 | 77.9 | 25.5 | 86 | 30.0 | 1983 | 68.1 | 20.1 | 62 | 16.7 | 1971 |
| 23 | 72.6 | 22.6 | 77.3 | 25.2 | 83 | 28.3 | 1981* | 67.8 | 19.9 | 62 | 16.7 | 1971* |
| 24 | 73.7 | 23.2 | 78.3 | 25.7 | 83 | 28.3 | 1976 | 69.0 | 20.6 | 60 | 15.6 | 1948 |
| 25 | 73.2 | 22.9 | 78.1 | 25.6 | 83 | 28.3 | 1973 | 68.3 | 20.2 | 61 | 16.1 | 1948 |
| 26 | 73.1 | 22.8 | 78.0 | 25.6 | 86 | 30.0 | 1981 | 68.2 | 20.1 | 64 | 17.8 | 1980* |
| 27 | 72.8 | 22.7 | 77.4 | 25.2 | 82 | 27.8 | 1980* | 68.1 | 20.1 | 61 | 16.1 | 1948 |
| 28 | 72.8 | 22.7 | 77.8 | 25.4 | 86 | 30.0 | 1974 | 67.8 | 19.9 | 62 | 16.7 | 1971 |
| 29 | 73.2 | 22.9 | 78.0 | 25.6 | 84 | 28.9 | 1983 | 68.3 | 20.2 | 61 | 16.1 | 1947 |
| 30 | 73.1 | 22.8 | 77.8 | 25.4 | 86 | 30.0 | 1981 | 68.3 | 20.2 | 63 | 17.2 | 1972* |
| 31 | 72.8 | 22.7 | 77.2 | 25.1 | 82 | 27.8 | 1971 | 68.3 | 20.2 | 60 | 15.6 | 1972* |
| Monthly | 73.3 | 22.9 | 78.2 | 25.7 | 87 | 30.6 | 1981* | 68.4 | 20.2 | 60 | 15.6 | 1973* |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519

KANEOME BAY, HI

1946-1949 1953-1955 9999-9999

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | MINIMUM TEMP | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--------------|------|---------|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | | AVERAGE | | EXTREME | | |
| | ° F | ° C | ° F | ° C | ° F | ° C | DATE | ° F | ° C | ° F | ° C | DATE |
| 1 | 72.9 | 22.7 | 78.0 | 25.6 | 86 | 30.0 | 1974 | 67.7 | 19.8 | 60 | 15.6 | 1972 |
| 2 | 73.6 | 23.1 | 78.5 | 25.8 | 85 | 29.4 | 1974 | 68.7 | 20.4 | 61 | 16.1 | 1972 |
| 3 | 73.6 | 23.1 | 79.2 | 26.2 | 88 | 31.1 | 1974 | 68.0 | 20.0 | 63 | 17.2 | 1979* |
| 4 | 73.9 | 23.3 | 79.4 | 26.3 | 86 | 30.0 | 1981 | 68.4 | 20.2 | 64 | 17.8 | 1979* |
| 5 | 73.5 | 23.1 | 78.6 | 25.9 | 86 | 30.0 | 1978 | 68.4 | 20.2 | 62 | 16.7 | 1947 |
| 6 | 73.4 | 23.0 | 78.1 | 25.6 | 83 | 28.3 | 1983* | 68.7 | 20.4 | 63 | 17.2 | 1988 |
| 7 | 73.4 | 23.0 | 78.0 | 25.6 | 84 | 28.9 | 1983 | 68.7 | 20.4 | 63 | 17.2 | 1988 |
| 8 | 72.5 | 22.5 | 77.5 | 25.3 | 85 | 29.4 | 1980 | 67.5 | 19.7 | 60 | 15.6 | 1976 |
| 9 | 73.1 | 22.8 | 78.0 | 25.6 | 85 | 29.4 | 1980* | 68.2 | 20.1 | 60 | 15.6 | 1988 |
| 10 | 73.1 | 22.8 | 77.6 | 25.3 | 82 | 27.8 | 1980* | 68.6 | 20.3 | 60 | 15.6 | 1988 |
| 11 | 72.9 | 22.7 | 77.4 | 25.2 | 82 | 27.8 | 1978 | 68.4 | 20.2 | 61 | 16.1 | 1947 |
| 12 | 73.0 | 22.8 | 77.9 | 25.5 | 84 | 28.9 | 1981 | 68.2 | 20.1 | 61 | 16.1 | 1947 |
| 13 | 73.4 | 23.0 | 78.1 | 25.6 | 83 | 28.3 | 1978 | 68.8 | 20.4 | 63 | 17.2 | 1979* |
| 14 | 73.6 | 23.1 | 78.0 | 25.6 | 86 | 30.0 | 1981 | 69.1 | 20.6 | 63 | 17.2 | 1988 |
| 15 | 73.1 | 22.8 | 77.3 | 25.2 | 84 | 28.9 | 1981 | 68.9 | 20.5 | 61 | 16.1 | 1988 |
| 16 | 73.2 | 22.9 | 77.8 | 25.4 | 84 | 28.9 | 1982* | 68.6 | 20.3 | 62 | 16.7 | 1955 |
| 17 | 73.6 | 23.1 | 78.5 | 25.8 | 84 | 28.9 | 1982* | 68.6 | 20.3 | 62 | 16.7 | 1955 |
| 18 | 73.3 | 22.9 | 77.9 | 25.5 | 84 | 28.9 | 1982 | 68.7 | 20.4 | 64 | 17.8 | 1972* |
| 19 | 73.4 | 23.0 | 77.9 | 25.5 | 85 | 29.4 | 1970 | 68.9 | 20.5 | 63 | 17.2 | 1971* |
| 20 | 73.1 | 22.8 | 78.4 | 25.8 | 85 | 29.4 | 1983 | 67.9 | 19.9 | 61 | 16.1 | 1962 |
| 21 | 73.3 | 22.9 | 78.5 | 25.8 | 85 | 29.4 | 1978 | 68.1 | 20.1 | 63 | 17.2 | 1962 |
| 22 | 73.1 | 22.8 | 77.7 | 25.4 | 86 | 30.0 | 1980 | 68.5 | 20.3 | 62 | 16.7 | 1962* |
| 23 | 73.1 | 22.8 | 77.9 | 25.5 | 84 | 28.9 | 1981* | 68.2 | 20.1 | 62 | 16.7 | 1973 |
| 24 | 73.0 | 22.8 | 77.2 | 25.1 | 86 | 30.0 | 1983 | 68.8 | 20.4 | 63 | 17.2 | 1973* |
| 25 | 73.0 | 22.8 | 77.6 | 25.3 | 84 | 28.9 | 1983 | 68.4 | 20.2 | 62 | 16.7 | 1973 |
| 26 | 73.4 | 23.0 | 78.0 | 25.6 | 82 | 27.8 | 1983* | 68.8 | 20.4 | 64 | 17.8 | 1947 |
| 27 | 73.6 | 23.1 | 78.0 | 25.6 | 83 | 28.3 | 1983 | 69.1 | 20.6 | 63 | 17.2 | 1980* |
| 28 | 72.9 | 22.7 | 77.5 | 25.3 | 84 | 28.9 | 1972 | 68.4 | 20.2 | 62 | 16.7 | 1953 |
| 29 | 74.2 | 23.4 | 79.5 | 26.4 | 82 | 27.8 | 1972 | 69.0 | 20.6 | 64 | 17.8 | 1988 |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| Monthly | 73.3 | 22.9 | 78.0 | 25.6 | 88 | 31.1 | 1974 | 68.5 | 20.3 | 60 | 15.6 | 1976* |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12519

KANCOHE BAY, MI

1946-1949

1953-1955

9999-9999

MARCH

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|---------|--------------|---------|------|-------|--|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE | | |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | | | |
| 1 | 72.7 | 22.6 | 77.4 | 25.2 | 82 | 27.8 | 1981* | 68.0 | 20.0 | 64 | 17.8 | 1955* | | |
| 2 | 73.5 | 23.1 | 78.0 | 25.6 | 83 | 28.3 | 1983 | 69.0 | 20.6 | 67 | 19.4 | 1976* | | |
| 3 | 73.2 | 22.9 | 77.7 | 25.4 | 82 | 27.8 | 1955 | 68.7 | 20.4 | 65 | 18.3 | 1976* | | |
| 4 | 73.5 | 23.1 | 77.9 | 25.5 | 83 | 28.3 | 1979* | 69.0 | 20.6 | 65 | 18.3 | 1976* | | |
| 5 | 73.2 | 22.9 | 77.6 | 25.3 | 86 | 30.0 | 1983 | 68.7 | 20.4 | 60 | 15.6 | 1954 | | |
| 6 | 73.1 | 22.8 | 77.6 | 25.3 | 85 | 29.4 | 1983 | 68.5 | 20.3 | 62 | 16.7 | 1954 | | |
| 7 | 73.6 | 23.1 | 78.3 | 25.7 | 87 | 30.6 | 1981 | 68.8 | 20.4 | 61 | 16.1 | 1955 | | |
| 8 | 73.4 | 23.0 | 77.9 | 25.3 | 85 | 29.4 | 1981 | 69.0 | 20.6 | 64 | 17.8 | 1962 | | |
| 9 | 73.4 | 23.0 | 78.4 | 25.8 | 83 | 28.3 | 1983* | 68.5 | 20.3 | 63 | 17.2 | 1948 | | |
| 10 | 73.9 | 23.3 | 78.9 | 26.1 | 86 | 30.0 | 1983 | 68.9 | 20.5 | 64 | 17.8 | 1948 | | |
| 11 | 73.8 | 23.2 | 78.9 | 26.1 | 87 | 30.6 | 1972 | 68.7 | 20.4 | 65 | 18.3 | 1974* | | |
| 12 | 73.1 | 22.8 | 78.1 | 25.6 | 84 | 28.9 | 1972 | 68.1 | 20.1 | 62 | 16.7 | 1976 | | |
| 13 | 73.6 | 23.1 | 78.4 | 25.9 | 86 | 30.0 | 1972 | 68.7 | 20.4 | 61 | 16.1 | 1976 | | |
| 14 | 73.2 | 22.9 | 77.7 | 25.4 | 84 | 28.9 | 1983* | 68.6 | 20.3 | 63 | 17.2 | 1976 | | |
| 15 | 73.0 | 22.8 | 77.8 | 25.4 | 84 | 28.9 | 1972 | 68.2 | 20.1 | 62 | 16.7 | 1976 | | |
| 16 | 73.5 | 23.1 | 78.1 | 25.6 | 84 | 28.9 | 1974 | 68.9 | 20.5 | 62 | 16.7 | 1955 | | |
| 17 | 73.4 | 23.0 | 78.1 | 25.6 | 83 | 28.3 | 1982* | 68.6 | 20.3 | 60 | 15.6 | 1955 | | |
| 18 | 72.9 | 22.7 | 77.5 | 25.3 | 82 | 27.8 | 1972* | 68.2 | 20.1 | 60 | 15.6 | 1955 | | |
| 19 | 73.6 | 23.1 | 78.3 | 25.7 | 82 | 27.8 | 1980* | 68.9 | 20.5 | 64 | 17.8 | 1955 | | |
| 20 | 74.1 | 23.4 | 78.6 | 25.9 | 86 | 30.0 | 1974 | 69.6 | 20.9 | 64 | 17.8 | 1971 | | |
| 21 | 74.4 | 23.6 | 78.8 | 26.0 | 85 | 29.4 | 1982 | 69.9 | 21.1 | 63 | 17.2 | 1971 | | |
| 22 | 74.1 | 23.4 | 78.8 | 26.0 | 87 | 30.6 | 1981 | 69.4 | 20.8 | 65 | 18.3 | 1976* | | |
| 23 | 73.9 | 23.3 | 78.3 | 25.7 | 83 | 28.3 | 1981* | 69.4 | 20.8 | 64 | 17.8 | 1955 | | |
| 24 | 73.4 | 23.0 | 78.0 | 25.6 | 86 | 30.0 | 1971 | 68.7 | 20.4 | 62 | 16.7 | 1955 | | |
| 25 | 73.4 | 23.0 | 77.9 | 25.5 | 83 | 28.3 | 1983 | 69.0 | 20.6 | 61 | 16.1 | 1955 | | |
| 26 | 73.8 | 23.2 | 78.6 | 25.9 | 86 | 30.0 | 1974 | 68.9 | 20.5 | 61 | 16.1 | 1955 | | |
| 27 | 74.3 | 23.3 | 78.6 | 25.9 | 85 | 29.4 | 1974 | 69.4 | 20.8 | 63 | 17.2 | 1947 | | |
| 28 | 74.0 | 23.3 | 78.4 | 25.8 | 84 | 28.9 | 1974 | 69.7 | 20.9 | 65 | 18.3 | 1975* | | |
| 29 | 73.4 | 23.1 | 78.1 | 25.6 | 84 | 28.9 | 1978 | 69.1 | 20.6 | 64 | 17.8 | 1975 | | |
| 30 | 73.9 | 23.3 | 78.1 | 25.6 | 84 | 28.9 | 1983 | 69.6 | 20.9 | 65 | 18.3 | 1972* | | |
| 31 | 73.0 | 23.3 | 78.5 | 25.8 | 83 | 28.3 | 1983* | 69.3 | 20.7 | 64 | 17.8 | 1971 | | |
| Monthly | 73.0 | 23.1 | 78.2 | 25.7 | 87 | 30.6 | 1981* | 68.9 | 20.5 | 60 | 15.6 | 1955* | | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

02519

KANEOME BAY, MT

1945-1949

1953-1955

9999-9999

APRIL

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--|--------------|------|---------|------|-------|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | | AVERAGE | | EXTREME | | DATE | |
| | °F | °C | °F | °C | °F | °C | | | °F | °C | °F | °C | | |
| 1 | 74.3 | 23.5 | 78.8 | 26.0 | 83 | 28.3 | 1983* | | 69.9 | 21.1 | 64 | 17.8 | 1971 | |
| 2 | 73.9 | 23.3 | 78.0 | 25.6 | 85 | 29.4 | 1983 | | 69.8 | 21.0 | 61 | 16.1 | 1948 | |
| 3 | 74.1 | 23.4 | 78.5 | 25.8 | 84 | 28.9 | 1983* | | 69.6 | 20.9 | 66 | 18.9 | 1973* | |
| 4 | 73.9 | 23.3 | 78.3 | 25.7 | 84 | 28.9 | 1983* | | 69.6 | 20.9 | 65 | 18.3 | 1973 | |
| 5 | 73.7 | 23.2 | 78.1 | 25.6 | 84 | 28.9 | 1983 | | 69.3 | 20.7 | 64 | 17.8 | 1973 | |
| 6 | 73.8 | 23.2 | 78.2 | 25.7 | 84 | 28.9 | 1983* | | 69.3 | 20.7 | 64 | 17.8 | 1973 | |
| 7 | 74.3 | 23.5 | 78.9 | 26.1 | 84 | 28.9 | 1982* | | 69.7 | 20.9 | 63 | 17.2 | 1973 | |
| 8 | 74.4 | 23.6 | 79.1 | 26.2 | 85 | 29.4 | 1982* | | 69.7 | 20.9 | 63 | 17.2 | 1973 | |
| 9 | 74.6 | 23.7 | 78.9 | 26.1 | 84 | 28.9 | 1980* | | 70.4 | 21.3 | 65 | 18.3 | 1973 | |
| 10 | 74.8 | 23.8 | 79.3 | 26.3 | 85 | 29.4 | 1983 | | 70.3 | 21.3 | 66 | 18.9 | 1953* | |
| 11 | 74.6 | 23.7 | 79.0 | 26.1 | 87 | 30.6 | 1975 | | 70.3 | 21.3 | 65 | 18.3 | 1947 | |
| 12 | 74.4 | 23.6 | 78.9 | 26.1 | 84 | 28.9 | 1975 | | 69.8 | 21.0 | 62 | 16.7 | 1947 | |
| 13 | 74.5 | 23.6 | 79.0 | 26.1 | 85 | 29.4 | 1983 | | 70.0 | 21.1 | 65 | 18.3 | 1948* | |
| 14 | 74.1 | 23.4 | 78.6 | 25.9 | 84 | 28.9 | 1983 | | 69.7 | 20.9 | 62 | 16.7 | 1948 | |
| 15 | 73.8 | 23.2 | 78.1 | 25.6 | 83 | 28.3 | 1983* | | 69.4 | 20.8 | 64 | 17.8 | 1949 | |
| 16 | 74.1 | 23.4 | 79.0 | 26.1 | 84 | 28.9 | 1979* | | 69.2 | 20.7 | 62 | 16.7 | 1947 | |
| 17 | 74.9 | 23.8 | 79.6 | 26.4 | 86 | 30.0 | 1979 | | 70.3 | 21.3 | 66 | 18.9 | 1955* | |
| 18 | 74.8 | 23.8 | 78.9 | 26.1 | 84 | 28.9 | 1981* | | 70.6 | 21.4 | 67 | 19.4 | 1983* | |
| 19 | 74.6 | 23.8 | 79.0 | 26.1 | 85 | 29.4 | 1981 | | 70.6 | 21.4 | 67 | 19.4 | 1971 | |
| 20 | 74.8 | 23.8 | 79.4 | 26.3 | 87 | 30.6 | 1979 | | 70.1 | 21.2 | 64 | 17.8 | 1958 | |
| 21 | 74.7 | 23.7 | 79.3 | 26.3 | 84 | 28.9 | 1981* | | 70.2 | 21.2 | 62 | 16.7 | 1958 | |
| 22 | 74.8 | 23.8 | 79.0 | 26.1 | 84 | 28.9 | 1981 | | 70.6 | 21.4 | 63 | 17.2 | 1958 | |
| 23 | 74.8 | 23.8 | 79.2 | 26.2 | 84 | 28.9 | 1981* | | 70.3 | 21.3 | 65 | 18.3 | 1971* | |
| 24 | 74.8 | 23.8 | 79.5 | 26.4 | 85 | 29.4 | 1981 | | 70.1 | 21.2 | 67 | 19.4 | 1971 | |
| 25 | 74.8 | 23.8 | 79.0 | 26.1 | 84 | 28.9 | 1981 | | 70.6 | 21.4 | 66 | 18.9 | 1971* | |
| 26 | 75.0 | 23.9 | 79.5 | 26.4 | 85 | 29.4 | 1981 | | 70.5 | 21.4 | 66 | 18.9 | 1973 | |
| 27 | 75.3 | 24.1 | 79.7 | 26.5 | 87 | 30.6 | 1981 | | 70.9 | 21.6 | 64 | 17.8 | 1979 | |
| 28 | 75.3 | 24.1 | 79.8 | 26.6 | 84 | 28.9 | 1980* | | 70.8 | 21.6 | 66 | 18.9 | 1983 | |
| 29 | 75.3 | 24.1 | 79.7 | 26.5 | 84 | 28.9 | 1978* | | 70.9 | 21.6 | 68 | 20.0 | 1982* | |
| 30 | 75.0 | 23.9 | 79.3 | 26.3 | 84 | 28.9 | 1978 | | 70.6 | 21.4 | 66 | 18.9 | 1981 | |
| 31 | | | | | | | | | | | | | | |
| Monthly | 74.5 | 23.6 | 79.0 | 26.1 | 87 | 30.6 | 1981* | | 70.1 | 21.2 | 61 | 16.1 | 1948 | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519

KANEQUE RAY, HI

1945-1949

1953-1955

9999-9999

MAY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--|--------------|------|---------|------|-------|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | | AVERAGE | | EXTREME | | DATE | |
| | °F | °C | °F | °C | °F | °C | | | °F | °C | °F | °C | | |
| 1 | 75.3 | 24.1 | 79.4 | 26.3 | 84 | 28.9 | 1962 | | 71.2 | 21.8 | 67 | 19.4 | 1946 | |
| 2 | 75.2 | 24.0 | 79.7 | 26.5 | 85 | 29.4 | 1978 | | 70.7 | 21.5 | 67 | 19.4 | 1947 | |
| 3 | 75.3 | 24.1 | 79.8 | 26.6 | 86 | 30.0 | 1978 | | 70.7 | 21.5 | 66 | 18.9 | 1954 | |
| 4 | 75.3 | 24.1 | 79.9 | 26.6 | 85 | 29.4 | 1978* | | 70.7 | 21.5 | 66 | 18.9 | 1946 | |
| 5 | 74.7 | 23.7 | 79.0 | 26.1 | 84 | 28.9 | 1980* | | 70.4 | 21.3 | 66 | 18.9 | 1954* | |
| 6 | 75.2 | 24.0 | 79.6 | 26.4 | 84 | 28.9 | 1980* | | 70.8 | 21.6 | 67 | 19.4 | 1946 | |
| 7 | 75.5 | 24.2 | 80.0 | 26.7 | 84 | 28.9 | 1980* | | 71.1 | 21.7 | 66 | 18.9 | 1946 | |
| 8 | 75.7 | 24.3 | 80.3 | 26.8 | 86 | 30.0 | 1979 | | 71.5 | 21.7 | 66 | 18.9 | 1973 | |
| 9 | 75.6 | 24.2 | 80.1 | 26.7 | 86 | 30.0 | 1981 | | 71.2 | 21.8 | 65 | 18.3 | 1973 | |
| 10 | 75.8 | 24.3 | 80.2 | 26.8 | 86 | 30.0 | 1981 | | 71.3 | 21.8 | 67 | 19.4 | 1973 | |
| 11 | 76.0 | 24.4 | 80.7 | 27.1 | 85 | 29.4 | 1981* | | 71.3 | 21.8 | 67 | 19.4 | 1971 | |
| 12 | 75.7 | 24.3 | 80.5 | 26.9 | 86 | 30.0 | 1980 | | 70.9 | 21.6 | 62 | 16.7 | 1946 | |
| 13 | 75.5 | 24.2 | 80.0 | 26.7 | 86 | 30.0 | 1981 | | 71.0 | 21.7 | 68 | 20.0 | 1973* | |
| 14 | 76.0 | 24.4 | 80.4 | 26.9 | 86 | 30.0 | 1981 | | 71.6 | 22.0 | 65 | 18.3 | 1973 | |
| 15 | 75.9 | 24.4 | 80.4 | 26.9 | 86 | 30.0 | 1981 | | 71.4 | 21.9 | 66 | 18.9 | 1973 | |
| 16 | 75.5 | 24.2 | 79.7 | 26.5 | 85 | 29.4 | 1981 | | 71.4 | 21.9 | 65 | 18.3 | 1973 | |
| 17 | 76.2 | 24.6 | 80.3 | 26.9 | 86 | 30.0 | 1980* | | 71.9 | 22.2 | 66 | 18.9 | 1973 | |
| 18 | 76.2 | 24.6 | 80.5 | 26.9 | 85 | 29.4 | 1983* | | 71.9 | 22.2 | 66 | 18.9 | 1973 | |
| 19 | 76.3 | 24.6 | 80.3 | 26.9 | 85 | 29.4 | 1981* | | 72.0 | 22.2 | 68 | 20.0 | 1958 | |
| 20 | 76.4 | 24.6 | 80.3 | 26.8 | 84 | 28.9 | 1983* | | 71.7 | 22.1 | 67 | 19.4 | 1973 | |
| 21 | 75.7 | 24.3 | 80.2 | 26.8 | 85 | 29.4 | 1981* | | 71.3 | 21.8 | 67 | 19.4 | 1973 | |
| 22 | 76.2 | 24.6 | 80.8 | 27.1 | 85 | 29.4 | 1981* | | 71.6 | 22.0 | 67 | 19.4 | 1947 | |
| 23 | 76.1 | 24.5 | 80.7 | 27.1 | 87 | 30.6 | 1980 | | 71.6 | 22.0 | 67 | 19.4 | 1971 | |
| 24 | 76.4 | 24.7 | 80.7 | 27.1 | 87 | 30.6 | 1980 | | 72.2 | 22.3 | 69 | 20.6 | 1973* | |
| 25 | 76.3 | 24.6 | 80.7 | 27.1 | 85 | 29.4 | 1980* | | 72.0 | 22.2 | 67 | 19.4 | 1971 | |
| 26 | 76.4 | 24.7 | 81.2 | 27.3 | 87 | 30.6 | 1980 | | 71.7 | 22.1 | 68 | 20.0 | 1973 | |
| 27 | 76.6 | 24.8 | 81.1 | 27.3 | 86 | 30.0 | 1980* | | 72.0 | 22.2 | 67 | 19.4 | 1973* | |
| 28 | 76.8 | 24.9 | 81.3 | 27.4 | 87 | 30.6 | 1969 | | 72.2 | 22.3 | 69 | 20.6 | 1973* | |
| 29 | 77.1 | 25.1 | 81.3 | 27.5 | 87 | 30.6 | 1969 | | 72.7 | 22.6 | 67 | 19.4 | 1971 | |
| 30 | 76.9 | 24.9 | 81.5 | 27.5 | 88 | 31.1 | 1980 | | 72.2 | 22.3 | 67 | 19.4 | 1971 | |
| 31 | 76.8 | 24.9 | 81.5 | 27.5 | 87 | 30.6 | 1979 | | 72.1 | 22.3 | 69 | 20.6 | 1982* | |
| Monthly | 75.9 | 24.4 | 80.4 | 26.9 | 88 | 31.1 | 1980 | | 71.5 | 21.9 | 62 | 16.7 | 1946 | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

19519 KANEONE RAY, MT 1945-1949 1953-1955 9999-9999 JUNE
STATION STATION NAME YEARS MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--|--------------|------|---------|------|-------|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | | AVERAGE | | EXTREME | | DATE | |
| | °F | °C | °F | °C | °F | °C | | | °F | °C | °F | °C | | |
| 1 | 77.1 | 25.1 | 81.6 | 27.6 | 87 | 30.6 | 1981* | | 72.5 | 22.5 | 67 | 19.4 | 1971 | |
| 2 | 77.6 | 25.3 | 82.3 | 27.9 | 87 | 30.6 | 1981 | | 73.0 | 22.8 | 67 | 19.4 | 1971 | |
| 3 | 77.2 | 25.1 | 81.7 | 27.6 | 86 | 30.0 | 1979 | | 72.7 | 22.6 | 69 | 20.6 | 1982* | |
| 4 | 77.0 | 25.0 | 81.9 | 27.5 | 86 | 30.0 | 1981* | | 72.6 | 22.6 | 67 | 19.4 | 1973 | |
| 5 | 77.2 | 25.1 | 81.6 | 27.6 | 86 | 30.0 | 1981 | | 72.9 | 22.7 | 67 | 19.4 | 1973 | |
| 6 | 77.4 | 25.2 | 81.8 | 27.7 | 86 | 30.0 | 1981 | | 73.0 | 22.8 | 68 | 20.0 | 1973 | |
| 7 | 77.2 | 25.1 | 82.0 | 27.8 | 86 | 30.0 | 1980* | | 72.5 | 22.5 | 67 | 19.4 | 1971 | |
| 8 | 77.7 | 25.1 | 81.7 | 27.6 | 87 | 30.6 | 1981 | | 72.7 | 22.6 | 68 | 20.0 | 1980 | |
| 9 | 77.4 | 25.2 | 82.1 | 27.8 | 87 | 30.6 | 1981* | | 72.8 | 22.7 | 67 | 19.4 | 1971* | |
| 10 | 77.6 | 25.3 | 82.0 | 27.8 | 87 | 30.6 | 1981 | | 73.2 | 22.9 | 68 | 20.0 | 1955 | |
| 11 | 77.8 | 25.4 | 82.5 | 28.1 | 86 | 30.0 | 1982* | | 73.0 | 22.8 | 69 | 20.6 | 1973* | |
| 12 | 77.5 | 25.3 | 81.9 | 27.7 | 86 | 30.0 | 1982 | | 73.2 | 22.9 | 68 | 20.0 | 1980 | |
| 13 | 77.2 | 25.1 | 81.7 | 27.6 | 88 | 31.1 | 1969 | | 72.7 | 22.6 | 67 | 19.4 | 1973 | |
| 14 | 77.7 | 25.4 | 82.1 | 27.8 | 90 | 32.2 | 1969 | | 73.3 | 22.9 | 67 | 19.4 | 1973 | |
| 15 | 77.7 | 25.4 | 82.2 | 27.9 | 88 | 31.1 | 1969 | | 73.3 | 22.9 | 68 | 20.0 | 1975* | |
| 16 | 77.7 | 25.4 | 82.4 | 28.0 | 88 | 31.1 | 1979 | | 73.1 | 22.8 | 68 | 20.0 | 1971 | |
| 17 | 77.5 | 25.3 | 82.3 | 27.9 | 87 | 30.6 | 1981* | | 72.8 | 22.7 | 67 | 19.4 | 1982 | |
| 18 | 77.4 | 25.2 | 82.0 | 27.8 | 87 | 30.6 | 1980 | | 72.8 | 22.7 | 68 | 20.0 | 1972 | |
| 19 | 77.6 | 25.3 | 82.0 | 27.8 | 87 | 30.6 | 1981 | | 73.1 | 22.8 | 68 | 20.0 | 1972 | |
| 20 | 77.3 | 25.2 | 81.9 | 27.7 | 88 | 31.1 | 1981 | | 72.8 | 22.7 | 69 | 20.6 | 1973* | |
| 21 | 77.5 | 25.3 | 81.9 | 27.7 | 87 | 30.6 | 1969 | | 73.0 | 22.8 | 68 | 20.0 | 1972 | |
| 22 | 77.8 | 25.4 | 82.2 | 27.9 | 86 | 30.0 | 1981 | | 73.5 | 23.1 | 68 | 20.0 | 1972 | |
| 23 | 77.5 | 25.3 | 81.9 | 27.7 | 86 | 30.0 | 1983* | | 73.2 | 22.9 | 69 | 20.6 | 1972 | |
| 24 | 77.6 | 25.3 | 82.2 | 27.9 | 87 | 30.6 | 1981* | | 73.1 | 22.8 | 69 | 20.6 | 1972* | |
| 25 | 77.5 | 25.3 | 82.0 | 27.8 | 87 | 30.6 | 1980 | | 73.0 | 22.8 | 67 | 19.4 | 1972 | |
| 26 | 77.5 | 25.3 | 82.1 | 27.8 | 87 | 30.6 | 1981 | | 72.9 | 22.7 | 67 | 19.4 | 1972 | |
| 27 | 77.5 | 25.3 | 82.1 | 27.8 | 87 | 30.6 | 1981 | | 72.9 | 22.7 | 67 | 19.4 | 1972 | |
| 28 | 77.7 | 25.4 | 82.4 | 28.0 | 87 | 30.6 | 1981 | | 73.0 | 22.8 | 68 | 20.0 | 1972 | |
| 29 | 77.5 | 25.3 | 82.0 | 27.8 | 88 | 31.1 | 1981 | | 73.0 | 22.8 | 67 | 19.4 | 1955 | |
| 30 | 77.8 | 25.4 | 82.4 | 28.0 | 87 | 30.6 | 1981* | | 73.2 | 22.9 | 69 | 20.6 | 1975* | |
| 31 | | | | | | | | | | | | | | |
| Monthly | 77.5 | 25.3 | 82.0 | 27.8 | 90 | 32.2 | 1969 | | 73.0 | 22.8 | 67 | 19.4 | 1982* | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519

KANEQUE BAY, HI

1905-1949 1952-1955 9999-9999

JULY

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | MINIMUM TEMP | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--------------|------|---------|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | |
| 1 | 77.5 | 25.3 | 82.1 | 27.8 | 86 | 30.0 | 1983* | 73.0 | 22.8 | 68 | 20.0 | 1982 |
| 2 | 77.2 | 25.1 | 82.0 | 27.8 | 86 | 30.0 | 1980* | 72.4 | 22.4 | 67 | 19.4 | 1971 |
| 3 | 77.8 | 25.4 | 82.3 | 27.9 | 88 | 31.1 | 1974 | 73.3 | 22.9 | 69 | 20.6 | 1975 |
| 4 | 77.8 | 25.4 | 82.2 | 27.9 | 88 | 31.1 | 1974 | 73.3 | 22.9 | 69 | 20.6 | 1975 |
| 5 | 77.8 | 25.4 | 82.3 | 27.9 | 86 | 30.0 | 1981* | 73.4 | 23.0 | 69 | 20.6 | 1982 |
| 6 | 78.0 | 25.6 | 82.4 | 28.0 | 89 | 31.7 | 1983 | 73.6 | 23.1 | 69 | 20.6 | 1973 |
| 7 | 77.9 | 25.5 | 82.4 | 28.0 | 86 | 30.0 | 1978 | 73.3 | 22.9 | 70 | 21.1 | 1975* |
| 8 | 78.0 | 25.6 | 82.6 | 28.1 | 87 | 30.6 | 1981* | 73.4 | 23.0 | 69 | 20.6 | 1973* |
| 9 | 78.0 | 25.6 | 82.5 | 28.1 | 88 | 31.1 | 1981 | 73.6 | 23.1 | 67 | 19.4 | 1953 |
| 10 | 77.7 | 25.4 | 82.3 | 27.9 | 87 | 30.6 | 1981* | 73.2 | 22.9 | 68 | 20.0 | 1953 |
| 11 | 77.9 | 25.5 | 82.4 | 28.0 | 88 | 31.1 | 1981 | 73.4 | 23.0 | 68 | 20.0 | 1975 |
| 12 | 78.1 | 25.6 | 82.4 | 28.0 | 88 | 31.1 | 1982 | 73.8 | 23.2 | 70 | 21.1 | 1975* |
| 13 | 78.2 | 25.7 | 82.7 | 28.2 | 88 | 31.1 | 1979 | 73.6 | 23.1 | 70 | 21.1 | 1982* |
| 14 | 79.1 | 25.6 | 82.5 | 28.1 | 87 | 30.6 | 1969 | 73.7 | 23.2 | 71 | 21.7 | 1976* |
| 15 | 78.0 | 25.6 | 82.4 | 28.0 | 86 | 30.0 | 1982* | 73.5 | 23.1 | 68 | 20.0 | 1972 |
| 16 | 77.9 | 25.5 | 82.6 | 28.1 | 89 | 31.7 | 1979 | 73.2 | 22.9 | 70 | 21.1 | 1972* |
| 17 | 77.8 | 25.4 | 82.5 | 28.1 | 87 | 30.6 | 1980 | 73.2 | 22.9 | 70 | 21.1 | 1973* |
| 18 | 78.0 | 25.6 | 82.5 | 28.1 | 87 | 30.6 | 1980 | 73.5 | 23.1 | 69 | 20.6 | 1971* |
| 19 | 78.0 | 25.6 | 82.5 | 28.1 | 87 | 30.6 | 1981 | 73.6 | 23.1 | 71 | 21.7 | 1981* |
| 20 | 78.2 | 25.7 | 82.9 | 28.3 | 87 | 30.6 | 1978* | 73.5 | 23.1 | 69 | 20.6 | 1971 |
| 21 | 78.5 | 25.8 | 83.1 | 28.4 | 88 | 31.1 | 1981 | 74.0 | 23.3 | 69 | 20.6 | 1953 |
| 22 | 78.4 | 25.8 | 82.8 | 28.2 | 87 | 30.6 | 1983* | 73.9 | 23.3 | 71 | 21.7 | 1976* |
| 23 | 78.4 | 25.8 | 82.9 | 28.3 | 88 | 31.1 | 1983* | 73.9 | 23.3 | 70 | 21.1 | 1973 |
| 24 | 78.4 | 25.8 | 82.9 | 28.3 | 89 | 31.7 | 1982 | 73.8 | 23.2 | 68 | 20.0 | 1953 |
| 25 | 78.6 | 25.9 | 83.0 | 28.3 | 87 | 30.6 | 1981* | 74.3 | 23.5 | 70 | 21.1 | 1953 |
| 26 | 78.5 | 25.8 | 82.9 | 28.3 | 88 | 31.1 | 1983 | 74.2 | 23.4 | 70 | 21.1 | 1971* |
| 27 | 78.6 | 25.9 | 83.2 | 28.4 | 89 | 31.7 | 1981 | 74.0 | 23.3 | 69 | 20.6 | 1948 |
| 28 | 78.7 | 25.9 | 83.0 | 28.3 | 87 | 30.6 | 1980* | 74.4 | 23.6 | 69 | 20.6 | 1954 |
| 29 | 78.6 | 25.9 | 83.1 | 28.4 | 86 | 30.0 | 1981* | 74.1 | 23.4 | 69 | 20.6 | 1954* |
| 30 | 78.9 | 26.1 | 83.5 | 28.6 | 89 | 31.7 | 1982 | 74.3 | 23.5 | 70 | 21.1 | 1954 |
| 31 | 78.1 | 25.6 | 83.5 | 28.6 | 88 | 31.1 | 1981 | 74.4 | 23.6 | 70 | 21.1 | 1972* |
| Monthly | 78.1 | 25.6 | 82.7 | 28.2 | 89 | 31.7 | 1983* | 73.6 | 23.1 | 67 | 19.4 | 1971* |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12519 KANEONE BAY, HI 1945-1949 1952-1955 9999-9999 AUGUST
STATION STATION NAME YEARS MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP. | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|---------------|------|---------|------|-------|---------|--------------|---------|------|-------|--|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE | | |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | | | |
| 1 | 76.7 | 25.9 | 83.1 | 28.4 | 87 | 30.6 | 1983* | 74.3 | 23.5 | 70 | 21.1 | 1953 | | |
| 2 | 75.2 | 25.7 | 83.1 | 28.4 | 88 | 31.1 | 1981* | 73.4 | 23.0 | 68 | 20.0 | 1973* | | |
| 3 | 76.7 | 25.9 | 83.0 | 28.6 | 88 | 31.1 | 1969 | 73.9 | 23.3 | 69 | 20.6 | 1971 | | |
| 4 | 76.5 | 25.8 | 83.1 | 28.4 | 87 | 30.6 | 1983* | 73.8 | 23.2 | 68 | 20.0 | 1971 | | |
| 5 | 76.3 | 25.7 | 83.0 | 28.3 | 86 | 30.0 | 1979* | 73.6 | 23.1 | 69 | 20.6 | 1974* | | |
| 6 | 76.4 | 25.8 | 82.8 | 28.2 | 87 | 30.6 | 1982 | 74.0 | 23.3 | 69 | 20.6 | 1986 | | |
| 7 | 76.9 | 26.1 | 83.4 | 28.6 | 87 | 30.6 | 1979 | 74.9 | 23.6 | 70 | 21.1 | 1973* | | |
| 8 | 76.8 | 26.0 | 83.0 | 28.6 | 88 | 31.1 | 1981* | 74.2 | 23.8 | 71 | 21.7 | 1973 | | |
| 9 | 76.9 | 26.1 | 83.6 | 28.7 | 89 | 31.7 | 1979 | 74.1 | 23.8 | 69 | 20.6 | 1972 | | |
| 10 | 79.3 | 26.3 | 83.7 | 28.7 | 88 | 31.1 | 1981 | 74.9 | 23.8 | 71 | 21.7 | 1971* | | |
| 11 | 76.3 | 26.3 | 83.5 | 28.6 | 88 | 31.1 | 1980* | 75.0 | 23.9 | 72 | 22.2 | 1973* | | |
| 12 | 76.5 | 26.1 | 83.4 | 28.6 | 88 | 31.1 | 1983* | 74.6 | 23.7 | 71 | 21.7 | 1974* | | |
| 13 | 76.1 | 26.2 | 83.5 | 28.6 | 87 | 30.6 | 1980* | 74.7 | 23.7 | 69 | 20.6 | 1971 | | |
| 14 | 76.1 | 26.2 | 83.3 | 28.5 | 87 | 30.6 | 1981 | 74.9 | 23.8 | 69 | 20.6 | 1955 | | |
| 15 | 76.3 | 26.3 | 83.5 | 28.6 | 88 | 31.1 | 1981 | 75.2 | 24.0 | 70 | 21.1 | 1954 | | |
| 16 | 76.2 | 26.2 | 84.0 | 28.9 | 88 | 31.1 | 1981* | 74.5 | 23.6 | 70 | 21.1 | 1955 | | |
| 17 | 79.5 | 26.4 | 83.9 | 28.8 | 89 | 31.7 | 1974 | 75.1 | 23.9 | 70 | 21.1 | 1975* | | |
| 18 | 76.3 | 26.3 | 83.7 | 28.7 | 89 | 31.7 | 1980 | 74.9 | 23.8 | 70 | 21.1 | 1954 | | |
| 19 | 76.5 | 26.4 | 83.9 | 28.8 | 88 | 31.1 | 1974 | 75.1 | 23.9 | 71 | 21.7 | 1955 | | |
| 20 | 76.1 | 26.2 | 83.6 | 28.7 | 88 | 31.1 | 1982* | 74.5 | 23.6 | 70 | 21.1 | 1971 | | |
| 21 | 79.3 | 26.3 | 83.8 | 28.8 | 87 | 30.6 | 1982* | 74.9 | 23.8 | 69 | 20.6 | 1953 | | |
| 22 | 79.5 | 26.4 | 83.8 | 28.8 | 88 | 31.1 | 1983 | 75.2 | 24.0 | 72 | 22.2 | 1974* | | |
| 23 | 76.4 | 26.3 | 83.9 | 28.8 | 88 | 31.1 | 1983* | 74.8 | 23.8 | 70 | 21.1 | 1954 | | |
| 24 | 76.7 | 26.1 | 83.5 | 28.6 | 87 | 30.6 | 1982* | 74.6 | 23.7 | 70 | 21.1 | 1954* | | |
| 25 | 76.7 | 26.3 | 83.7 | 28.7 | 90 | 32.2 | 1982 | 74.9 | 23.8 | 70 | 21.1 | 1953 | | |
| 26 | 79.2 | 26.2 | 83.7 | 28.7 | 89 | 31.7 | 1979 | 74.7 | 23.7 | 70 | 21.1 | 1974 | | |
| 27 | 76.3 | 26.3 | 83.8 | 28.8 | 89 | 31.7 | 1980 | 74.7 | 23.7 | 70 | 21.1 | 1974 | | |
| 28 | 76.1 | 26.2 | 83.0 | 28.6 | 89 | 31.7 | 1980 | 74.7 | 23.7 | 69 | 20.0 | 1954 | | |
| 29 | 79.3 | 26.3 | 83.8 | 28.8 | 89 | 31.7 | 1982 | 74.8 | 23.8 | 71 | 21.7 | 1975* | | |
| 30 | 79.3 | 26.3 | 83.9 | 28.9 | 88 | 31.1 | 1979 | 74.7 | 23.7 | 71 | 21.7 | 1955* | | |
| 31 | 79.6 | 26.4 | 84.1 | 28.9 | 89 | 31.7 | 1981* | 75.1 | 23.9 | 71 | 21.7 | 1975* | | |
| Monthly | 79.1 | 26.2 | 83.6 | 28.7 | 91 | 32.2 | 1982 | 74.6 | 23.7 | 68 | 20.0 | 1973* | | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519

KANEONE BAY, HI

1945-1949

1952-1955

9999-9999

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | MINIMUM TEMP | | | | DATE | |
|---------|-----------|------|--------------|------|---------|------|--------------|------|---------|----|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | AVERAGE | | EXTREME | | | |
| | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | | |
| 1 | 79.7 | 26.5 | 84.3 | 29.1 | 90 | 32.2 | 1972 | 75.0 | 23.9 | 70 | 21.1 | 1946 |
| 2 | 79.5 | 26.4 | 83.9 | 28.8 | 89 | 31.7 | 1982 | 75.1 | 23.9 | 70 | 21.1 | 1955 |
| 3 | 79.2 | 26.2 | 83.7 | 28.7 | 89 | 31.7 | 1981 | 74.6 | 23.7 | 70 | 21.1 | 1972* |
| 4 | 79.1 | 26.2 | 83.6 | 28.7 | 91 | 32.8 | 1974 | 74.5 | 23.6 | 70 | 21.1 | 1955* |
| 5 | 79.1 | 26.2 | 83.7 | 28.7 | 89 | 31.7 | 1980 | 74.4 | 23.6 | 70 | 21.1 | 1955* |
| 6 | 79.2 | 26.2 | 83.8 | 28.8 | 89 | 31.7 | 1980 | 74.7 | 23.7 | 70 | 21.1 | 1955 |
| 7 | 79.5 | 26.4 | 84.1 | 28.9 | 89 | 31.7 | 1979 | 75.0 | 23.9 | 71 | 21.7 | 1971* |
| 8 | 79.0 | 26.1 | 83.5 | 28.6 | 89 | 31.7 | 1980 | 74.5 | 23.6 | 68 | 20.0 | 1972 |
| 9 | 79.3 | 26.3 | 83.8 | 28.8 | 90 | 32.2 | 1979 | 74.9 | 23.8 | 69 | 20.6 | 1972 |
| 10 | 79.6 | 26.4 | 84.0 | 28.9 | 88 | 31.1 | 1980* | 75.3 | 24.1 | 73 | 22.8 | 1975* |
| 11 | 79.7 | 26.5 | 84.0 | 28.9 | 90 | 32.2 | 1979 | 75.3 | 24.1 | 70 | 21.1 | 1972 |
| 12 | 79.6 | 26.4 | 84.0 | 28.9 | 88 | 31.1 | 1981* | 75.2 | 24.0 | 71 | 21.7 | 1973* |
| 13 | 79.6 | 26.4 | 83.9 | 28.9 | 88 | 31.1 | 1982* | 75.3 | 24.1 | 69 | 20.6 | 1972 |
| 14 | 79.7 | 26.5 | 84.1 | 28.9 | 88 | 31.1 | 1982* | 75.3 | 24.1 | 72 | 22.2 | 1975* |
| 15 | 79.5 | 26.4 | 83.8 | 28.8 | 88 | 31.1 | 1979 | 75.3 | 24.1 | 72 | 22.2 | 1975* |
| 16 | 79.5 | 26.4 | 84.1 | 28.9 | 90 | 32.2 | 1974 | 75.0 | 23.9 | 71 | 21.7 | 1970 |
| 17 | 79.1 | 26.2 | 83.6 | 28.7 | 89 | 31.7 | 1979 | 74.6 | 23.7 | 68 | 20.0 | 1954 |
| 18 | 79.6 | 26.4 | 84.0 | 28.9 | 89 | 31.7 | 1979 | 75.1 | 23.9 | 70 | 21.1 | 1954 |
| 19 | 79.6 | 26.4 | 84.1 | 28.9 | 89 | 31.7 | 1979 | 75.2 | 24.0 | 72 | 22.2 | 1974* |
| 20 | 79.9 | 26.6 | 84.5 | 29.2 | 90 | 32.2 | 1981* | 75.3 | 24.1 | 72 | 22.2 | 1975* |
| 21 | 79.6 | 26.4 | 84.0 | 28.9 | 89 | 31.7 | 1981 | 75.1 | 23.9 | 71 | 21.7 | 1952 |
| 22 | 79.6 | 26.4 | 84.3 | 29.1 | 88 | 31.1 | 1982* | 74.9 | 23.8 | 71 | 21.7 | 1974 |
| 23 | 79.3 | 26.3 | 84.0 | 28.9 | 88 | 31.1 | 1981* | 74.7 | 23.7 | 71 | 21.7 | 1974* |
| 24 | 79.3 | 26.3 | 84.1 | 28.9 | 90 | 32.2 | 1981 | 74.5 | 23.6 | 68 | 20.0 | 1948 |
| 25 | 79.4 | 26.3 | 83.9 | 28.8 | 89 | 31.7 | 1982 | 74.9 | 23.8 | 72 | 22.2 | 1961* |
| 26 | 79.6 | 26.4 | 83.9 | 28.8 | 89 | 31.7 | 1982* | 75.3 | 24.1 | 72 | 22.2 | 1974* |
| 27 | 79.4 | 26.3 | 84.1 | 28.9 | 89 | 31.7 | 1979 | 74.8 | 23.8 | 70 | 21.1 | 1954 |
| 28 | 79.3 | 26.3 | 83.8 | 28.8 | 89 | 31.7 | 1979 | 74.8 | 23.8 | 72 | 22.2 | 1977* |
| 29 | 79.5 | 26.4 | 84.2 | 29.0 | 88 | 31.1 | 1981* | 74.8 | 23.8 | 70 | 21.1 | 1946 |
| 30 | 79.7 | 26.5 | 84.4 | 29.1 | 90 | 32.2 | 1970 | 75.0 | 23.9 | 68 | 20.0 | 1953 |
| 31 | | | | | | | | | | | | |
| Monthly | 79.5 | 26.4 | 84.0 | 28.9 | 91 | 32.5 | 1974 | 74.9 | 23.8 | 68 | 20.0 | 1972* |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12519

MANOME RAY, NY

1945-1949

1952-1955

9999-9999

OCTOBER

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | | MINIMUM TEMP | | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|---------|--------------|---------|------|-------|--|--|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE | | |
| | ° F | ° C | ° F | ° C | ° F | ° C | | ° F | ° C | ° F | ° C | | | |
| 1 | 79.1 | 26.2 | 83.8 | 28.8 | 88 | 31.1 | 1983* | 74.4 | 23.6 | 67 | 19.4 | 1952 | | |
| 2 | 79.4 | 26.3 | 83.8 | 28.8 | 88 | 31.1 | 1980* | 75.0 | 23.9 | 72 | 22.2 | 1974* | | |
| 3 | 79.4 | 26.4 | 84.4 | 29.1 | 91 | 32.2 | 1968 | 74.7 | 23.7 | 71 | 21.7 | 1952 | | |
| 4 | 79.5 | 26.4 | 84.3 | 29.1 | 89 | 31.7 | 1979 | 74.7 | 23.7 | 70 | 21.1 | 1973 | | |
| 5 | 79.1 | 26.2 | 83.8 | 28.8 | 89 | 31.7 | 1979 | 74.4 | 23.6 | 71 | 21.7 | 1952 | | |
| 6 | 79.1 | 26.1 | 83.9 | 28.8 | 91 | 32.2 | 1979 | 74.2 | 23.4 | 71 | 21.7 | 1976* | | |
| 7 | 79.0 | 26.1 | 83.6 | 28.7 | 91 | 32.2 | 1979 | 74.5 | 23.6 | 70 | 21.1 | 1973 | | |
| 8 | 79.2 | 26.2 | 83.8 | 28.8 | 89 | 31.7 | 1979 | 74.6 | 23.7 | 70 | 21.1 | 1973 | | |
| 9 | 79.4 | 26.3 | 84.3 | 29.1 | 91 | 32.2 | 1979 | 74.5 | 23.6 | 70 | 21.1 | 1971 | | |
| 10 | 79.3 | 26.3 | 84.0 | 28.9 | 89 | 31.7 | 1979* | 74.7 | 23.7 | 70 | 21.1 | 1971 | | |
| 11 | 73.6 | 25.9 | 83.3 | 28.5 | 89 | 31.7 | 1968 | 73.9 | 23.3 | 67 | 19.4 | 1946 | | |
| 12 | 76.7 | 25.9 | 83.6 | 28.7 | 90 | 32.2 | 1968 | 73.7 | 23.2 | 70 | 21.1 | 1976* | | |
| 13 | 78.5 | 25.8 | 83.4 | 28.6 | 89 | 31.7 | 1972 | 73.5 | 23.1 | 69 | 20.6 | 1973 | | |
| 14 | 78.7 | 25.9 | 83.3 | 28.5 | 90 | 32.2 | 1972 | 74.0 | 23.3 | 70 | 21.1 | 1973* | | |
| 15 | 79.7 | 25.9 | 83.4 | 28.6 | 89 | 31.1 | 1960 | 73.9 | 23.3 | 70 | 21.1 | 1946 | | |
| 16 | 79.2 | 25.7 | 82.7 | 28.2 | 89 | 31.7 | 1979 | 73.7 | 23.2 | 70 | 21.1 | 1970* | | |
| 17 | 78.9 | 26.1 | 83.4 | 28.6 | 88 | 31.1 | 1974* | 74.3 | 23.5 | 68 | 20.0 | 1971 | | |
| 18 | 78.5 | 25.8 | 83.3 | 28.5 | 89 | 31.1 | 1979 | 73.7 | 23.2 | 69 | 20.6 | 1964 | | |
| 19 | 78.7 | 25.9 | 83.1 | 28.4 | 88 | 31.1 | 1979* | 74.3 | 23.5 | 68 | 20.0 | 1964* | | |
| 20 | 78.7 | 25.7 | 82.5 | 28.1 | 87 | 30.6 | 1974 | 74.2 | 23.4 | 71 | 21.7 | 1970 | | |
| 21 | 78.3 | 25.7 | 82.7 | 28.2 | 88 | 31.1 | 1980 | 73.9 | 23.3 | 68 | 20.0 | 1975 | | |
| 22 | 78.2 | 25.7 | 82.8 | 28.2 | 86 | 30.0 | 1981* | 73.7 | 23.2 | 67 | 19.4 | 1975 | | |
| 23 | 78.1 | 25.6 | 82.6 | 28.1 | 87 | 30.6 | 1968 | 73.6 | 23.1 | 69 | 20.6 | 1975* | | |
| 24 | 78.2 | 25.7 | 82.6 | 28.1 | 87 | 30.6 | 1981 | 73.8 | 23.2 | 69 | 20.6 | 1971 | | |
| 25 | 77.8 | 25.4 | 82.4 | 28.0 | 87 | 30.6 | 1982* | 73.2 | 22.9 | 69 | 20.6 | 1952* | | |
| 26 | 77.9 | 25.5 | 82.5 | 28.1 | 90 | 32.2 | 1969 | 73.3 | 22.9 | 70 | 21.1 | 1971* | | |
| 27 | 77.6 | 25.3 | 82.3 | 27.9 | 87 | 30.6 | 1979* | 73.0 | 22.8 | 68 | 20.0 | 1952 | | |
| 28 | 77.8 | 25.4 | 82.7 | 28.2 | 89 | 31.7 | 1979 | 72.9 | 22.7 | 66 | 18.9 | 1972 | | |
| 29 | 77.7 | 25.4 | 82.6 | 28.1 | 87 | 30.6 | 1981* | 72.9 | 22.7 | 65 | 18.3 | 1972 | | |
| 30 | 77.5 | 25.3 | 82.4 | 28.0 | 89 | 31.7 | 1969 | 72.6 | 22.6 | 68 | 20.0 | 1978 | | |
| 31 | 77.1 | 25.1 | 81.7 | 27.6 | 90 | 32.2 | 1969 | 72.5 | 22.5 | 69 | 20.6 | 1948 | | |
| Monthly | 74.5 | 25.8 | 83.2 | 28.4 | 91 | 32.2 | 1979* | 73.9 | 23.3 | 65 | 18.3 | 1972 | | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

2019

FAHEOME DAY, MT

1945-1949

1952-1955

9999-9999

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP
AVERAGE | | MAXIMUM TEMP | | | | DATE | MINIMUM TEMP | | | | DATE |
|---------|----------------------|------|---------------|------|---------------|------|-------|---------------|------|---------------|------|-------|
| | °F | °C | AVERAGE
°F | °C | EXTREME
°F | °C | | AVERAGE
°F | °C | EXTREME
°F | °C | |
| 1 | 77.4 | 25.2 | 82.3 | 27.9 | 91 | 32.2 | 1973 | 72.6 | 22.6 | 69 | 20.6 | 1966 |
| 2 | 77.4 | 25.2 | 81.9 | 27.7 | 89 | 31.1 | 1969 | 72.9 | 22.7 | 69 | 20.6 | 1976 |
| 3 | 77.2 | 25.1 | 82.0 | 27.8 | 88 | 31.1 | 1979 | 72.5 | 22.5 | 68 | 20.0 | 1961 |
| 4 | 77.1 | 25.0 | 81.5 | 27.5 | 88 | 31.1 | 1979 | 72.4 | 22.5 | 67 | 19.4 | 1971 |
| 5 | 77.5 | 25.3 | 82.3 | 27.9 | 87 | 30.6 | 1979 | 72.7 | 22.6 | 68 | 20.0 | 1970 |
| 6 | 77.1 | 25.1 | 81.6 | 27.6 | 88 | 31.1 | 1979 | 72.6 | 22.6 | 68 | 20.0 | 1947 |
| 7 | 76.9 | 24.9 | 81.6 | 27.6 | 87 | 30.6 | 1980* | 72.3 | 22.4 | 68 | 20.0 | 1971 |
| 8 | 76.8 | 24.9 | 81.4 | 27.4 | 86 | 30.0 | 1976 | 72.2 | 22.3 | 67 | 19.4 | 1946 |
| 9 | 77.0 | 25.0 | 81.5 | 27.5 | 87 | 30.6 | 1980 | 72.5 | 22.5 | 67 | 19.4 | 1972 |
| 10 | 76.9 | 24.7 | 81.0 | 27.2 | 86 | 30.0 | 1980 | 72.0 | 22.2 | 65 | 18.3 | 1948 |
| 11 | 76.8 | 24.9 | 81.1 | 27.3 | 87 | 31.7 | 1969 | 72.5 | 22.5 | 67 | 19.4 | 1973 |
| 12 | 76.9 | 24.9 | 81.1 | 27.3 | 88 | 31.1 | 1980 | 72.8 | 22.7 | 68 | 20.0 | 1952 |
| 13 | 76.7 | 24.8 | 80.8 | 27.1 | 86 | 30.0 | 1981 | 72.7 | 22.6 | 68 | 20.0 | 1974 |
| 14 | 76.1 | 24.5 | 80.7 | 27.1 | 86 | 30.0 | 1980 | 71.6 | 22.0 | 67 | 19.4 | 1971 |
| 15 | 76.1 | 24.4 | 80.5 | 26.9 | 84 | 28.9 | 1977* | 71.5 | 21.9 | 63 | 17.2 | 1946 |
| 16 | 76.6 | 24.8 | 81.1 | 27.3 | 85 | 29.4 | 1981* | 72.2 | 22.3 | 66 | 18.9 | 1974* |
| 17 | 76.8 | 24.9 | 81.3 | 27.4 | 89 | 31.7 | 1977 | 72.4 | 22.4 | 67 | 19.4 | 1974* |
| 18 | 76.8 | 24.9 | 81.6 | 27.6 | 86 | 30.0 | 1983* | 72.1 | 22.3 | 67 | 19.4 | 1974* |
| 19 | 76.9 | 24.9 | 81.5 | 27.5 | 88 | 31.1 | 1977 | 72.3 | 22.4 | 67 | 19.4 | 1952 |
| 20 | 76.5 | 24.7 | 80.9 | 27.2 | 86 | 30.0 | 1981* | 72.1 | 22.3 | 62 | 16.7 | 1952 |
| 21 | 76.7 | 24.8 | 81.0 | 27.2 | 87 | 30.6 | 1981 | 72.3 | 22.4 | 66 | 18.9 | 1971 |
| 22 | 76.4 | 24.7 | 80.8 | 27.1 | 86 | 30.0 | 1983* | 72.1 | 22.3 | 66 | 18.9 | 1971 |
| 23 | 76.1 | 24.4 | 80.6 | 27.0 | 86 | 30.0 | 1980 | 71.4 | 21.9 | 64 | 17.8 | 1970 |
| 24 | 75.9 | 24.4 | 80.0 | 26.7 | 87 | 30.6 | 1979 | 71.9 | 22.2 | 64 | 17.8 | 1970 |
| 25 | 75.9 | 24.4 | 80.4 | 26.9 | 85 | 29.4 | 1980* | 71.4 | 21.9 | 67 | 19.4 | 1972 |
| 26 | 75.6 | 24.2 | 79.8 | 26.6 | 87 | 30.6 | 1977 | 71.4 | 21.9 | 65 | 18.3 | 1972 |
| 27 | 75.8 | 24.3 | 80.6 | 27.0 | 86 | 30.0 | 1983* | 71.1 | 21.7 | 66 | 18.9 | 1972* |
| 28 | 75.4 | 24.1 | 80.0 | 26.7 | 85 | 29.4 | 1983* | 70.9 | 21.6 | 66 | 18.9 | 1972 |
| 29 | 75.5 | 24.2 | 79.9 | 26.6 | 89 | 31.7 | 1977 | 71.1 | 21.7 | 65 | 18.3 | 1972 |
| 30 | 76.0 | 24.4 | 80.9 | 27.2 | 88 | 31.1 | 1980* | 71.1 | 21.7 | 65 | 18.3 | 1972 |
| 31 | | | | | | | | | | | | |
| Monthly | 76.4 | 24.7 | 81.0 | 27.2 | 90 | 32.2 | 1973 | 72.1 | 22.2 | 62 | 16.7 | 1952 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1979

WAFOME BAY, HI

1945-1949

1952-1955

9999-9999

DECEMBER

STATION

STATION NAME

YEARS

MONTH

| DAY | MEAN TEMP | | MAXIMUM TEMP | | | | | MINIMUM TEMP | | | | |
|---------|-----------|------|--------------|------|---------|------|-------|--------------|------|---------|------|-------|
| | AVERAGE | | AVERAGE | | EXTREME | | DATE | AVERAGE | | EXTREME | | DATE |
| | °F | °C | °F | °C | °F | °C | | °F | °C | °F | °C | |
| 1 | 76.7 | 24.6 | 71.1 | 27.3 | 90 | 32.2 | 1977 | 71.5 | 21.9 | 64 | 17.8 | 1972 |
| 2 | 75.8 | 24.3 | 70.7 | 27.1 | 90 | 32.2 | 1980 | 71.0 | 21.7 | 66 | 18.9 | 1970 |
| 3 | 75.5 | 24.2 | 79.7 | 26.5 | 86 | 30.0 | 1980 | 71.3 | 21.8 | 66 | 18.9 | 1972 |
| 4 | 75.2 | 24.0 | 79.4 | 26.3 | 86 | 30.0 | 1983* | 70.9 | 21.6 | 66 | 18.9 | 1962 |
| 5 | 75.1 | 23.9 | 80.0 | 26.7 | 85 | 29.4 | 1982 | 70.2 | 21.2 | 67 | 19.4 | 1979* |
| 6 | 74.4 | 23.6 | 78.3 | 25.7 | 83 | 28.3 | 1977* | 70.5 | 21.4 | 66 | 18.9 | 1954 |
| 7 | 74.8 | 23.8 | 79.4 | 26.3 | 85 | 29.4 | 1979* | 70.2 | 21.2 | 64 | 17.8 | 1982 |
| 8 | 74.8 | 23.8 | 79.5 | 26.4 | 87 | 30.6 | 1977 | 70.2 | 21.2 | 64 | 17.8 | 1973* |
| 9 | 74.1 | 23.7 | 79.0 | 26.1 | 85 | 29.4 | 1977 | 70.3 | 21.3 | 64 | 17.8 | 1973 |
| 10 | 74.2 | 23.4 | 78.6 | 25.9 | 84 | 28.9 | 1983* | 69.9 | 21.1 | 63 | 17.2 | 1973 |
| 11 | 74.2 | 23.6 | 79.6 | 26.4 | 85 | 29.4 | 1977 | 70.2 | 21.2 | 64 | 17.8 | 1952 |
| 12 | 74.4 | 23.6 | 78.6 | 25.9 | 87 | 30.6 | 1979 | 70.2 | 21.2 | 64 | 17.8 | 1972* |
| 13 | 74.7 | 23.5 | 78.3 | 25.7 | 83 | 28.3 | 1981* | 70.4 | 21.3 | 64 | 17.8 | 1972* |
| 14 | 74.2 | 23.4 | 78.2 | 25.7 | 84 | 28.9 | 1977 | 70.2 | 21.2 | 63 | 17.2 | 1947 |
| 15 | 74.3 | 23.5 | 78.4 | 25.8 | 86 | 30.0 | 1979 | 70.3 | 21.3 | 62 | 16.7 | 1947 |
| 16 | 74.1 | 23.7 | 79.5 | 26.4 | 87 | 30.6 | 1975 | 69.8 | 21.0 | 66 | 18.9 | 1969* |
| 17 | 73.5 | 23.1 | 77.7 | 25.4 | 82 | 27.8 | 1981* | 69.4 | 20.8 | 65 | 18.3 | 1971* |
| 18 | 73.7 | 23.2 | 78.8 | 26.0 | 84 | 28.9 | 1981* | 68.6 | 20.3 | 65 | 18.3 | 1973* |
| 19 | 73.1 | 23.1 | 78.2 | 25.7 | 84 | 28.9 | 1980* | 68.9 | 20.5 | 64 | 17.8 | 1972 |
| 20 | 73.7 | 23.2 | 78.2 | 25.7 | 86 | 30.0 | 1979 | 69.3 | 20.7 | 64 | 17.8 | 1946 |
| 21 | 73.6 | 23.1 | 78.2 | 25.7 | 86 | 30.0 | 1979 | 69.0 | 20.6 | 65 | 18.3 | 1962* |
| 22 | 73.0 | 23.3 | 75.5 | 25.8 | 85 | 29.4 | 1979 | 69.4 | 20.6 | 64 | 17.8 | 1975 |
| 23 | 74.1 | 23.4 | 78.7 | 25.9 | 84 | 28.9 | 1983* | 69.5 | 20.8 | 65 | 18.3 | 1962* |
| 24 | 73.4 | 23.3 | 78.2 | 25.7 | 82 | 27.8 | 1983* | 69.7 | 20.9 | 64 | 17.8 | 1948 |
| 25 | 73.5 | 23.1 | 78.3 | 25.7 | 85 | 29.4 | 1980* | 68.8 | 20.4 | 64 | 17.8 | 1948 |
| 26 | 74.7 | 23.3 | 78.8 | 26.0 | 85 | 29.4 | 1975 | 69.2 | 20.7 | 60 | 15.6 | 1946 |
| 27 | 73.7 | 23.2 | 78.3 | 25.7 | 84 | 28.9 | 1982 | 69.1 | 20.6 | 63 | 17.2 | 1969 |
| 28 | 73.8 | 23.2 | 78.3 | 25.7 | 85 | 29.4 | 1977 | 69.4 | 20.8 | 63 | 17.2 | 1953 |
| 29 | 73.5 | 23.1 | 78.8 | 26.0 | 90 | 32.2 | 1983 | 68.5 | 20.3 | 62 | 16.7 | 1970 |
| 30 | 72.7 | 23.2 | 78.5 | 25.8 | 86 | 30.0 | 1980 | 68.9 | 20.5 | 64 | 17.8 | 1946 |
| 31 | 73.7 | 23.2 | 78.5 | 25.8 | 84 | 28.9 | 1983* | 68.9 | 20.5 | 62 | 16.7 | 1952 |
| Monthly | 74.3 | 23.6 | 78.8 | 26.0 | 90 | 32.2 | 1983* | 69.8 | 21.0 | 60 | 15.6 | 1946 |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

02516
STATION

WATSON RAY, MT
STATION NAME

45-47, 52-55, 57-65, 68-82
YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|------|------|------|------|-----|------|------|------|------|------|------|------|---------------|
| 46 | | | | 83 | 85 | 83 | | 84 | 84 | 84 | 85 | 83 | |
| 47 | 78 | 81 | 83 | 82 | 80 | 83 | 85 | 84 | 87 | 84 | 83 | 80 | 87 |
| 48 | | 81 | 79 | 82 | 81 | 84 | 83 | 85 | 86 | 84 | 82 | 78 | |
| 49 | 82 | | 78 | | | | 82 | 83 | 82 | 84 | 83 | 81 | |
| 50 | 82 | 81 | 82 | 81 | 82 | 82 | 82 | 85 | 84 | 83 | 81 | 81 | 85 |
| 51 | 80 | 81 | 80 | 82 | 81 | 83 | 83 | 84 | 88 | 87 | 86 | 82 | 88 |
| 52 | 82 | 82 | 82 | 82 | 82 | 86 | 83 | 83 | | 88 | 86 | 83 | |
| 53 | 82 | 84 | 83 | 83 | 80 | 83 | 84 | 84 | 85 | | | | |
| 54 | | | | | | 85 | 86 | 86 | 85 | 87 | 85 | 82 | |
| 55 | 82 | 82 | 84 | 81 | 84 | 86 | 86 | 86 | 87 | 88 | 84 | 85 | 88 |
| 56 | 83 | 84 | 82 | 82 | 83 | 85 | 84 | 85 | 86 | 86 | 82 | 81 | 86 |
| 57 | 83 | 84 | 82 | 84 | 84 | 84 | 83 | 85 | 85 | 86 | 83 | 82 | 86 |
| 58 | 81 | 83 | 83 | 83 | 82 | 83 | 84 | 86 | 86 | 85 | 84 | 84 | 85 |
| 59 | 81 | | 80 | 82 | 81 | 83 | 84 | 85 | 86 | 84 | 84 | 82 | 85 |
| 60 | | | | | | 84 | 85 | 85 | 86 | 91 | 89 | 84 | |
| 61 | 81 | 83 | 82 | 80 | 87 | 90 | 87 | 88 | 86 | 90 | 89 | 85 | 90 |
| 62 | 84 | 85 | 81 | 81 | 83 | 83 | 85 | 85 | 90 | 87 | 86 | 84 | 89 |
| 63 | 82 | 83 | 86 | 81 | 83 | 83 | 84 | 85 | 87 | 85 | 84 | 84 | 87 |
| 64 | 81 | 84 | 87 | 83 | 84 | 86 | 83 | 89 | 90 | 90 | 84 | 83 | 90 |
| 65 | 85 | 81 | 81 | 83 | 83 | 84 | 85 | 87 | 88 | 87 | 90 | 84 | 90 |
| 66 | 87 | 88 | 86 | 84 | 85 | 87 | 88 | 89 | 91 | 88 | 85 | 84 | 91 |
| 67 | 86 | 81 | 83 | 87 | 84 | 84 | 83 | 85 | 89 | 85 | 84 | 87 | 89 |
| 68 | 83 | 81 | 80 | 81 | 81 | 83 | 82 | 84 | | 87 | 83 | 81 | |
| 69 | 84 | 85 | 82 | 81 | 81 | 83 | 84 | 87 | 88 | 90 | 89 | 90 | 90 |
| 70 | 84 | | 84 | 85 | 86 | | 87 | 87 | 89 | 88 | 87 | 84 | |
| 71 | 85 | 82 | 85 | 87 | 87 | 88 | 89 | 89 | 90 | 91 | 88 | 87 | 91 |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

EXTREME VALUES

42519
STATION

KAHOE BAY, HI
STATION NAME

45-49, 52-55, 57-65, 68-82
YEARS

WHOLE DEGREES FARENHEIT

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|----------|----------|------|----------|----------|----------|----------|------|----------|------|------|------|------------------|
| 47 | | | | | | | 84
70 | | | | | | MAX TEMP
DAYS |
| 48 | 84
70 | | | | 81
70 | | | | | | | | MAX TEMP
DAYS |
| 49 | 80
70 | | | | | | | | | | | | MAX TEMP
DAYS |
| 50 | | 78
77 | | 77
70 | | | | | | | | | MAX TEMP
DAYS |
| 51 | | | | | | | | | 82
71 | | | | MAX TEMP
DAYS |
| 52 | | | | | 83
70 | | | | | | | | MAX TEMP
DAYS |
| 53 | 83
78 | | | | | | | | | | | | MAX TEMP
DAYS |
| 54 | | | | | 85
79 | | | | | | | | MAX TEMP
DAYS |
| 55 | | | | | | | | | 86
79 | | | | MAX TEMP
DAYS |
| 56 | | 86
77 | | | | 87
70 | | | | | | | MAX TEMP
DAYS |
| 57 | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION

KAY DHE RAY, HI

STATION NAME

45-47, 52-55, 57-65, 68-82

YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|------|------|------|------|-----|------|------|------|------|------|------|------|---------------|
| 45 | | | | 64 | 68 | 71 | | 70 | 71 | 69 | 68 | 64 | |
| 46 | | 65 | 66 | 65 | | 67 | 69 | 69 | 70 | 67 | 63 | 60 | |
| 47 | 60 | 61 | 63 | 62 | 67 | 69 | 69 | 70 | 70 | 69 | 67 | 62 | 5 |
| 48 | | 60 | 63 | 61 | 67 | 68 | 69 | 7 | 68 | 69 | 65 | 64 | |
| 49 | 60 | | 64 | | | | 69 | 70 | 70 | 67 | 62 | 62 | |
| 50 | 65 | 62 | 64 | 66 | 67 | 70 | 67 | 69 | | 69 | 68 | 63 | |
| 51 | 63 | 62 | 60 | 66 | 66 | 69 | 69 | 68 | 68 | 69 | 68 | 64 | 4 |
| 52 | 60 | 62 | 60 | 66 | 68 | 67 | 69 | 69 | | | | | |
| 53 | | | | | | | | | | 71 | 70 | 64 | |
| 54 | 64 | 67 | 63 | 62 | 67 | 71 | 70 | 71 | 73 | | | | |
| 55 | | | | | | 72 | 73 | 73 | 74 | 70 | 7 | 68 | |
| 56 | 65 | 64 | 65 | 68 | 68 | 73 | 73 | 72 | 73 | 72 | 7 | 67 | 54 |
| 57 | 61 | 66 | 68 | 66 | 69 | 71 | 72 | 72 | 72 | 70 | 67 | 67 | 61 |
| 58 | 67 | 61 | 64 | 68 | 68 | 71 | 70 | 72 | 71 | 70 | 71 | 65 | 61 |
| 59 | 64 | 66 | 65 | 66 | 66 | 71 | 71 | 74 | 73 | 71 | 69 | 68 | 44 |
| 60 | 68 | 67 | 66 | 68 | 69 | 71 | 71 | 71 | 73 | 68 | 69 | 66 | 66 |
| 61 | | | | | | | | | | | | | |
| 62 | | | | | | 71 | 74 | 73 | 71 | 73 | 70 | 68 | |
| 63 | 63 | 65 | 65 | 66 | 68 | 69 | 73 | 72 | 72 | 72 | 68 | 63 | 63 |
| 64 | 62 | 63 | 67 | 66 | 69 | 70 | 72 | 73 | 71 | 69 | 64 | 62 | 67 |
| 65 | 60 | 63 | 62 | 64 | 67 | 67 | 67 | 68 | 69 | 68 | 67 | 63 | 67 |
| 66 | 60 | 60 | 65 | 68 | 69 | 67 | 68 | 69 | 68 | 65 | 65 | 64 | 60 |
| 67 | 60 | 62 | 64 | 63 | 65 | 67 | 69 | 68 | 70 | 69 | 67 | 63 | 62 |
| 68 | 67 | 67 | 65 | 67 | 67 | 70 | 70 | 69 | 71 | 71 | 66 | 69 | 65 |
| 69 | 65 | 64 | 64 | 67 | 69 | 68 | 68 | 7 | 70 | 67 | 67 | 64 | 64 |
| 70 | 66 | 60 | 61 | 66 | 69 | 70 | 71 | 72 | 70 | 70 | 67 | 65 | |
| 71 | 65 | 67 | 67 | 67 | 68 | 70 | 72 | 72 | 72 | 72 | 71 | 66 | 65 |
| 72 | 65 | | 65 | 69 | 70 | | 72 | 74 | 72 | 68 | 7 | 67 | |
| 73 | 63 | 63 | 65 | 64 | 68 | 71 | 71 | 74 | 73 | 74 | 69 | 65 | 63 |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

SMOS

EXTREME VALUES

| <u>STATION</u> | <u>STATION NAME</u> |
|----------------|---------------------|
| 12410 | MANOHAR BAY, MT |

45-47, 52-55, 57-65, 68-82

ALL DEGREES FAHRENHEIT

| MONTH
YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL
MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 67 | 64 | 63 | 68 | 69 | 71 | 73 | 71 | 72 | 73 | 73 | 74 | 66 | 67 |
| 1 | 67 | 63 | 67 | 66 | 68 | 73 | 71 | 72 | 74 | 68 | 69 | 65 | 67 |
| 2 | 66 | 66 | 64 | 67 | 69 | 67 | 68 | 72 | 72 | 69 | 69 | 64 | 64 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 65.6 | 63.4 | 64.4 | 65.8 | 67.9 | 69.8 | 70.3 | 71.0 | 71.3 | 69.8 | 67.9 | 64.8 | 62.5 |
| S.D. | 2.614 | 2.234 | 2.114 | 2.113 | 1.294 | 1.950 | 1.880 | 1.857 | 1.793 | 2.096 | 2.563 | 2.166 | 1.982 |
| TOTAL OBS. | 775 | 776 | 837 | 810 | 808 | 840 | 844 | 930 | 810 | 844 | 870 | 844 | 10051 |

SMOS

EXTREME VALUES

| | |
|---------|-----------------|
| 219 | KARLOVE BAY, HI |
| STATION | STATION |

45-47, 52-55, 57-65, 68-82
YEARS

[illegible]

SMOS

02/18 2097.54321

MONTN

HOURS (L E T)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

BONNY

1995 11 5 T

[illegible]

NAVWEASERVCOM

NAWWEASERVCOM

1710 2.117 54321

STATION

STATION NAME

YEARS

11

BOMEN

1998

HOURS 11.5 T

[illegible]

1077 2117 54121

NAVWEASERVCOM

[illegible]

1878 2.197 5.3321

HOURS 11-5 P

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME | YEARS | MONTH | HOURS (L S Y) |
|---------|--------------|-------|-------|---------------|
| | | | | |

[illegible]

NAVWEASERVCOM

0010 20107 51321

MONTH

HOURS (L S T)

NAVWEASERVCOM

NAVWEASERVCOM

[illegible]

0116 2007 94321

MONTH

HOURS (LST)

NAVWEASERVCOM

6/18 2.137 53321

MONTH

HOURS (L S Y)

NAVWEASERVCOM

10/10 2097 54321

MONTH

HOURS (L S T)

[illegible]

2097.54321

MEMBER

NAVWEASERVCOM

[illegible]

NAVWEASERVCOM

[illegible]

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12510 MA. FORT BAY, HI

73-82

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|--------------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | MEAN | 72.2 | 71.6 | 71.6 | 72.6 | 73.5 | 74.9 | 75.8 | 77.0 | 77.5 | 76.6 | 74.7 | 73.3 | 74.3 |
| | S. D. | 2.631 | 2.936 | 2.537 | 2.227 | 2.252 | 2.226 | 2.279 | 1.944 | 2.042 | 2.075 | 2.185 | 2.500 | 3.076 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 299 | 309 | 3649 |
| | MEAN | 71.8 | 71.4 | 71.2 | 72.2 | 73.1 | 74.5 | 75.5 | 76.6 | 77.0 | 76.1 | 74.4 | 72.9 | 73.9 |
| | S. D. | 2.680 | 2.764 | 2.474 | 2.224 | 2.159 | 2.244 | 2.195 | 1.974 | 2.008 | 2.139 | 2.220 | 2.572 | 3.053 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 299 | 310 | 310 | 299 | 310 | 300 | 309 | 3649 |
| | MEAN | 72.4 | 72.1 | 72.7 | 74.5 | 76.0 | 77.4 | 78.0 | 79.0 | 79.4 | 78.1 | 75.7 | 73.7 | 75.8 |
| | S. D. | 2.818 | 2.944 | 2.567 | 2.457 | 2.577 | 2.628 | 2.583 | 2.193 | 2.258 | 2.517 | 2.585 | 2.739 | 3.621 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 299 | 309 | 3649 |
| 1 | MEAN | 77.0 | 76.3 | 76.5 | 77.5 | 78.8 | 80.2 | 81.1 | 82.2 | 82.8 | 81.8 | 79.5 | 77.8 | 79.3 |
| | S. D. | 3.002 | 3.270 | 3.194 | 3.000 | 2.867 | 2.956 | 2.857 | 2.414 | 2.884 | 2.713 | 3.174 | 3.065 | 3.684 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| | MEAN | 77.8 | 76.9 | 77.2 | 78.1 | 79.5 | 80.9 | 81.8 | 83.0 | 83.3 | 81.9 | 79.8 | 78.3 | 79.9 |
| | S. D. | 3.017 | 3.621 | 3.248 | 3.073 | 2.703 | 2.891 | 2.815 | 2.314 | 2.446 | 2.773 | 3.079 | 3.171 | 3.640 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 76.0 | 75.5 | 75.5 | 76.5 | 77.6 | 79.3 | 80.3 | 81.4 | 81.4 | 79.8 | 77.6 | 76.2 | 78.1 |
| | S. D. | 2.679 | 3.288 | 2.945 | 2.546 | 2.732 | 2.779 | 2.704 | 2.184 | 2.326 | 2.396 | 2.506 | 2.688 | 3.416 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 73.8 | 73.2 | 73.0 | 73.9 | 75.0 | 76.4 | 77.2 | 78.3 | 78.7 | 77.7 | 76.0 | 74.5 | 75.7 |
| | S. D. | 2.251 | 2.709 | 2.617 | 2.098 | 2.222 | 2.226 | 2.305 | 1.863 | 2.120 | 2.291 | 2.155 | 2.428 | 2.986 |
| | TOTAL OBS | 309 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3648 |
| 2 | MEAN | 72.9 | 72.3 | 72.3 | 73.3 | 74.2 | 75.6 | 76.6 | 77.7 | 78.0 | 77.1 | 75.3 | 73.8 | 74.9 |
| | S. D. | 2.472 | 2.758 | 2.561 | 2.077 | 2.279 | 2.226 | 2.280 | 2.000 | 2.006 | 2.173 | 2.198 | 2.391 | 3.038 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| ALL HOURS | MEAN | 74.2 | 73.7 | 73.8 | 74.8 | 76.0 | 77.4 | 78.3 | 79.4 | 79.8 | 78.6 | 76.6 | 75.1 | 76.5 |
| | S. D. | 3.076 | 3.684 | 3.520 | 3.275 | 3.372 | 3.424 | 3.413 | 3.131 | 3.215 | 3.203 | 3.198 | 3.332 | 3.966 |
| | TOTAL OBS | 2479 | 2256 | 2480 | 2400 | 2480 | 2399 | 2480 | 2480 | 2392 | 2480 | 2398 | 2469 | 29193 |

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22515

KAMFOHE BAY, HI

73-82

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|--------------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | MEAN | 67.2 | 66.9 | 67.0 | 67.8 | 68.8 | 70.0 | 71.0 | 72.3 | 72.4 | 71.4 | 70.0 | 68.1 | 69.4 |
| | S. D. | 2.955 | 3.033 | 2.581 | 2.228 | 2.193 | 1.950 | 1.876 | 1.918 | 2.228 | 2.339 | 2.384 | 3.303 | 3.141 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 299 | 309 | 3649 |
| | MEAN | 67.0 | 66.6 | 66.7 | 67.6 | 68.6 | 69.9 | 70.9 | 72.1 | 72.3 | 71.2 | 69.8 | 67.9 | 69.2 |
| | S. D. | 2.939 | 3.043 | 2.559 | 2.433 | 2.075 | 2.001 | 1.881 | 1.990 | 2.179 | 2.366 | 2.522 | 3.260 | 3.160 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 299 | 310 | 310 | 299 | 310 | 300 | 309 | 3649 |
| | MEAN | 67.5 | 67.1 | 67.6 | 68.8 | 70.1 | 71.2 | 72.2 | 73.2 | 73.5 | 72.3 | 70.7 | 68.6 | 70.3 |
| | S. D. | 2.835 | 3.072 | 2.474 | 2.476 | 2.281 | 2.047 | 1.989 | 1.872 | 2.052 | 2.377 | 2.381 | 3.221 | 3.281 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 299 | 309 | 3649 |
| | MEAN | 67.5 | 68.9 | 69.2 | 70.1 | 71.2 | 72.3 | 73.2 | 74.3 | 74.8 | 73.8 | 72.3 | 70.4 | 71.7 |
| | S. D. | 2.877 | 3.117 | 2.473 | 2.357 | 2.165 | 2.158 | 1.938 | 1.839 | 1.895 | 1.983 | 2.265 | 3.206 | 3.101 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| | MEAN | 69.7 | 68.9 | 69.4 | 70.3 | 71.5 | 72.6 | 73.5 | 74.6 | 74.9 | 73.7 | 72.2 | 70.4 | 71.8 |
| | S. D. | 2.698 | 2.897 | 2.382 | 2.332 | 2.077 | 2.114 | 1.898 | 1.883 | 2.003 | 2.082 | 2.422 | 3.178 | 3.079 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 68.2 | 68.2 | 68.7 | 69.5 | 70.7 | 71.9 | 72.9 | 73.9 | 74.0 | 72.7 | 71.2 | 69.3 | 71.0 |
| | S. D. | 2.698 | 2.850 | 2.397 | 2.232 | 2.027 | 2.131 | 1.865 | 1.711 | 2.036 | 2.081 | 2.424 | 3.096 | 3.061 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 68.0 | 67.4 | 67.6 | 68.4 | 69.5 | 70.7 | 71.5 | 72.8 | 72.8 | 71.9 | 70.6 | 68.6 | 70.0 |
| | S. D. | 2.765 | 2.916 | 2.303 | 2.253 | 2.046 | 1.928 | 1.918 | 1.680 | 2.324 | 2.363 | 2.360 | 3.244 | 3.036 |
| | TOTAL OBS | 309 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3648 |
| | MEAN | 67.6 | 67.2 | 67.4 | 68.2 | 69.2 | 70.4 | 71.3 | 72.6 | 72.7 | 71.6 | 70.4 | 68.2 | 69.7 |
| | S. D. | 2.840 | 2.870 | 2.549 | 2.390 | 2.165 | 1.940 | 1.933 | 1.936 | 2.335 | 2.461 | 2.369 | 3.185 | 3.121 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| ALL HOURS | MEAN | 68.2 | 67.7 | 68.0 | 68.8 | 70.0 | 71.1 | 72.1 | 73.2 | 73.4 | 72.3 | 70.9 | 68.9 | 70.4 |
| | S. D. | 2.977 | 3.088 | 2.635 | 2.536 | 2.368 | 2.253 | 2.140 | 2.059 | 2.347 | 2.451 | 2.542 | 3.345 | 3.261 |
| | TOTAL OBS | 2479 | 2256 | 2480 | 2400 | 2480 | 2399 | 2480 | 2480 | 2392 | 2480 | 2398 | 2469 | 29193 |

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72-19

KANFOHE BAY, HI

73-82

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|--------------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| 0 | MEAN | 64.3 | 64.1 | 64.4 | 65.2 | 66.3 | 67.6 | 68.6 | 70.0 | 70.0 | 68.8 | 67.5 | 65.2 | 66.8 |
| | S. D. | 4.312 | 4.179 | 3.644 | 3.278 | 2.859 | 2.592 | 2.549 | 2.601 | 3.101 | 3.333 | 3.467 | 4.820 | 4.049 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 299 | 309 | 3649 |
| | MEAN | 64.3 | 63.9 | 64.2 | 65.0 | 66.2 | 67.5 | 68.5 | 69.8 | 69.9 | 68.6 | 67.3 | 65.0 | 66.7 |
| | S. D. | 4.153 | 4.256 | 3.655 | 3.443 | 2.811 | 2.587 | 2.472 | 2.599 | 3.035 | 3.331 | 3.663 | 4.706 | 4.058 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 299 | 310 | 310 | 299 | 310 | 300 | 309 | 3649 |
| | MEAN | 64.7 | 64.4 | 64.8 | 65.7 | 67.0 | 68.2 | 69.3 | 70.5 | 70.8 | 69.4 | 68.2 | 65.8 | 67.4 |
| | S. D. | 4.041 | 4.330 | 3.648 | 3.629 | 3.051 | 2.815 | 2.770 | 2.565 | 2.841 | 3.294 | 3.430 | 4.602 | 4.115 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| 11 | MEAN | 65.5 | 64.8 | 65.3 | 66.1 | 67.4 | 68.5 | 69.5 | 70.8 | 71.2 | 70.2 | 68.8 | 66.5 | 67.9 |
| | S. D. | 4.081 | 4.490 | 3.659 | 3.569 | 2.990 | 2.766 | 2.849 | 2.565 | 2.605 | 2.887 | 3.230 | 4.660 | 4.061 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| 1 | MEAN | 65.3 | 64.5 | 65.2 | 66.3 | 67.6 | 68.6 | 69.6 | 70.8 | 71.2 | 70.0 | 68.5 | 66.3 | 67.8 |
| | S. D. | 4.030 | 4.148 | 3.545 | 3.514 | 2.814 | 2.975 | 2.804 | 2.632 | 2.809 | 2.911 | 3.561 | 4.776 | 4.068 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 64.8 | 64.2 | 65.0 | 65.8 | 67.2 | 68.3 | 69.4 | 70.5 | 70.6 | 69.4 | 67.9 | 65.5 | 67.4 |
| | S. D. | 3.864 | 3.996 | 3.458 | 3.350 | 2.689 | 2.966 | 2.774 | 2.418 | 2.716 | 2.887 | 3.523 | 4.647 | 3.991 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 64.7 | 64.1 | 64.6 | 65.3 | 66.6 | 67.8 | 68.6 | 70.2 | 70.0 | 69.0 | 67.9 | 65.2 | 67.0 |
| | S. D. | 4.007 | 4.041 | 3.326 | 3.318 | 2.775 | 2.618 | 2.654 | 2.398 | 3.244 | 3.339 | 3.423 | 4.779 | 3.979 |
| | TOTAL OBS | 309 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3648 |
| 2 | MEAN | 64.6 | 64.3 | 64.6 | 65.4 | 66.5 | 67.7 | 68.7 | 70.2 | 70.1 | 68.9 | 67.9 | 65.0 | 67.0 |
| | S. D. | 4.146 | 3.866 | 3.596 | 3.491 | 2.871 | 2.605 | 2.621 | 2.650 | 3.296 | 3.446 | 3.455 | 4.683 | 4.037 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| ALL HOURS | MEAN | 64.8 | 64.3 | 64.8 | 65.6 | 66.8 | 68.0 | 69.1 | 70.3 | 70.5 | 69.3 | 68.0 | 65.5 | 67.3 |
| | S. D. | 4.075 | 4.170 | 3.580 | 3.472 | 2.897 | 2.797 | 2.726 | 2.574 | 3.005 | 3.229 | 3.494 | 4.729 | 4.066 |
| | TOTAL OBS | 2479 | 2256 | 2480 | 2400 | 2480 | 2399 | 2480 | 2480 | 2392 | 2480 | 2399 | 2469 | 29194 |

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

02-19 KATTOCHE BAY, HI

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 10 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 91.1 | 76.8 | 40.6 | 7.4 | 77.0 | 310 |
| | 11 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 94.5 | 78.7 | 45.5 | 9.7 | 78.0 | 310 |
| | 12 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 93.2 | 75.5 | 42.9 | 11.6 | 77.5 | 310 |
| | 13 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 76.5 | 40.0 | 13.5 | 3.2 | 68.4 | 310 |
| | 14 | 100.0 | 100.0 | 100.0 | 100.0 | 94.5 | 66.8 | 30.0 | 11.9 | 2.9 | 66.3 | 310 |
| | 15 | 100.0 | 100.0 | 100.0 | 100.0 | 89.0 | 47.3 | 43.2 | 11.3 | 1.9 | 68.9 | 310 |
| | 16 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.9 | 68.0 | 23.3 | 4.0 | 74.0 | 310 |
| | 17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 91.0 | 71.0 | 37.1 | 7.1 | 75.9 | 310 |
| | 18 | | | | | | | | | | | |
| | 19 | | | | | | | | | | | |
| | 20 | | | | | | | | | | | |
| | 21 | | | | | | | | | | | |
| | 22 | | | | | | | | | | | |
| | 23 | | | | | | | | | | | |
| | 24 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 98.5 | 95.6 | 60.5 | 28.3 | 6.1 | 73.3 | 2479 |

OCEANAV-SMOS

3

C

L

(

()

(

1

(

1

1

4

1

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12-19 KANOE BAY, HI

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 12 | 00 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 97.4 | 80.0 | 47.7 | 10.3 | 73.7 | 310 |
| | 05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.1 | 81.6 | 47.4 | 12.9 | 79.2 | 310 |
| | 10 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 92.3 | 74.5 | 41.0 | 7.7 | 77.0 | 310 |
| | 11 | 100.0 | 100.0 | 100.0 | 100.0 | 95.2 | 75.2 | 43.2 | 18.7 | 1.9 | 69.2 | 310 |
| | 14 | 100.0 | 100.0 | 100.0 | 100.0 | 96.1 | 69.7 | 38.7 | 14.8 | 2.3 | 67.3 | 310 |
| | 17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 84.2 | 47.4 | 19.7 | 3.5 | 70.6 | 310 |
| | 20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.8 | 68.7 | 32.3 | 6.5 | 75.6 | 310 |
| | 23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 95.9 | 76.5 | 39.4 | 8.1 | 77.4 | 310 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 84.2 | 63.8 | 32.6 | 6.7 | 74.4 | 2440 |

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12 19 KATTOPE BAY, HI

77-82

100

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 1 | 10 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 73.3 | 42.3 | 5.3 | 78.2 | 310 |
| | 11 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.0 | 79.7 | 44.0 | 8.3 | 75.5 | 310 |
| | 12 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 93.1 | 66.0 | 30.0 | 4.3 | 74.8 | 310 |
| | 13 | 100.0 | 100.0 | 100.0 | 100.0 | 97.3 | 73.0 | 43.0 | 17.0 | 4.3 | 68.8 | 310 |
| | 14 | 100.0 | 100.0 | 100.0 | 100.0 | 96.3 | 72.0 | 37.7 | 13.0 | 3.0 | 67.7 | 310 |
| | 15 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 80.7 | 48.7 | 17.3 | 2.3 | 70.2 | 310 |
| | 16 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.3 | 69.0 | 29.3 | 3.7 | 75.1 | 310 |
| | 17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.0 | 73.7 | 37.7 | 6.7 | 76.9 | 310 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.6 | 61.9 | 21.8 | 5.1 | 77.8 | 2400 |

OCEANAV-SMOS

3

3

• 4 v

STATION

STATION NAME

PERIOD

MONTH

3

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 10 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 86.5 | 40.0 | 5.2 | 78.5 | 310 |
| | 20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 85.8 | 46.5 | 7.4 | 76.5 | 310 |
| | 30 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.8 | 65.8 | 22.9 | 3.9 | 74.1 | 310 |
| | 41 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 81.3 | 40.6 | 8.4 | 1.6 | 68.5 | 310 |
| | 14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 41.0 | 23.2 | 7.1 | 1.3 | 67.6 | 310 |
| | 17 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 91.0 | 51.0 | 17.9 | 1.3 | 70.9 | 310 |
| | 6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 68.1 | 76.1 | 26.1 | 3.2 | 75.5 | 310 |
| | 27 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 81.3 | 35.5 | 4.8 | 77.3 | 310 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 93.3 | 65.2 | 24.9 | 3.6 | 74.0 | 2430 |

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12519 KANAWHA FALLS, HI

73-80

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|-------|-------------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 81.9 | 42.9 | 5.2 | 76.7 | 310 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 86.5 | 44.5 | 8.4 | 79.5 | 310 |
| | 03 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.8 | 68.7 | 31.0 | 6.5 | 75.4 | 310 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 91.9 | 40.6 | 11.6 | 1.9 | 68.6 | 310 |
| | 05 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 76.8 | 36.2 | 9.0 | .6 | 67.3 | 310 |
| | 06 | 100.0 | 100.0 | 100.0 | 100.0 | 95.4 | 85.8 | 46.1 | 12.6 | 1.9 | 70.1 | 310 |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.1 | 68.7 | 30.0 | 4.2 | 75.4 | 310 |
| | 08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 77.1 | 35.2 | 4.5 | 77.0 | 310 |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| | 13 | | | | | | | | | | | |
| | 14 | | | | | | | | | | | |
| | 15 | | | | | | | | | | | |
| | 16 | | | | | | | | | | | |
| | 17 | | | | | | | | | | | |
| | 18 | | | | | | | | | | | |
| | 19 | | | | | | | | | | | |
| | 20 | | | | | | | | | | | |
| | 21 | | | | | | | | | | | |
| | 22 | | | | | | | | | | | |
| | 23 | | | | | | | | | | | |
| | 24 | | | | | | | | | | | |
| | 25 | | | | | | | | | | | |
| | 26 | | | | | | | | | | | |
| | 27 | | | | | | | | | | | |
| | 28 | | | | | | | | | | | |
| | 29 | | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 31 | | | | | | | | | | | |
| | TOTALS | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 91.9 | 63.3 | 27.1 | 4.2 | 74.5 | 2480 |

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

02-19 KAITUMA E BAY, HI

77-82

4116

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|-------|-------------------|--|-------|-------|-------|-------|-------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 01 | 00 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.0 | 43.5 | 5.5 | 79.1 | 310 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 91.6 | 48.1 | 8.1 | 80.0 | 310 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 74.2 | 25.8 | 3.2 | 75.6 | 310 |
| | 03 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 91.0 | 36.5 | 7.1 | 1.3 | 68.9 | 310 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 85.2 | 27.4 | 5.5 | 1.3 | 67.2 | 310 |
| | 05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.5 | 40.6 | 6.8 | 1.0 | 70.0 | 310 |
| | 06 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 78.1 | 28.4 | 3.5 | 76.6 | 310 |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 87.1 | 37.7 | 5.8 | 78.0 | 310 |
| | 08 | | | | | | | | | | | |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| | 13 | | | | | | | | | | | |
| | 14 | | | | | | | | | | | |
| | 15 | | | | | | | | | | | |
| | 16 | | | | | | | | | | | |
| | 17 | | | | | | | | | | | |
| | 18 | | | | | | | | | | | |
| | 19 | | | | | | | | | | | |
| | 20 | | | | | | | | | | | |
| | 21 | | | | | | | | | | | |
| | 22 | | | | | | | | | | | |
| | 23 | | | | | | | | | | | |
| | 24 | | | | | | | | | | | |
| | 25 | | | | | | | | | | | |
| | 26 | | | | | | | | | | | |
| | 27 | | | | | | | | | | | |
| | 28 | | | | | | | | | | | |
| | 29 | | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 31 | | | | | | | | | | | |
| | TOTALS | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 95.0 | 65.7 | 25.4 | 3.7 | 74.4 | 2-80 |

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12514 KANAWHA BAY, HI

73-80

SP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|-------|-------------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FR | 00 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.7 | 88.6 | 34.8 | 5.0 | 75.2 | 299 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 91.5 | 34.8 | 9.4 | 77.2 | 299 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.7 | 71.6 | 25.1 | 3.7 | 75.4 | 299 |
| | 03 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 84.9 | 34.2 | 1.0 | 3.0 | 65.7 | 299 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 85.6 | 29.8 | 5.4 | 1.7 | 67.6 | 299 |
| | 05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 94.6 | 38.9 | 8.7 | 2.3 | 70.3 | 299 |
| | 06 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.3 | 76.3 | 22.1 | 3.0 | 75.2 | 299 |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 97.7 | 86.0 | 32.1 | 4.3 | 77.2 | 299 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

3

1.

1000

1000

1000

(

(

(

(

!

1

(

(

1

1

3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

02:19 KAPOHE BAY, HI

73-57

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|-------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 96.7 | 80.9 | 42.1 | 11.7 | 78.7 | 279 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 97.3 | 83.7 | 45.0 | 12.3 | 79.2 | 370 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 95.0 | 77.6 | 40.5 | 12.0 | 78.3 | 299 |
| | 03 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 82.0 | 47.7 | 18.7 | 4.7 | 77.6 | 370 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 97.7 | 79.7 | 45.3 | 14.7 | 5.3 | 69.4 | 370 |
| | 05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 90.3 | 59.3 | 22.7 | 3.7 | 72.8 | 370 |
| | 06 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 94.7 | 75.0 | 32.7 | 7.0 | 76.5 | 370 |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.3 | 79.0 | 40.7 | 9.3 | 78.2 | 370 |
| | 08 | | | | | | | | | | | |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| | 13 | | | | | | | | | | | |
| | 14 | | | | | | | | | | | |
| | 15 | | | | | | | | | | | |
| | 16 | | | | | | | | | | | |
| | 17 | | | | | | | | | | | |
| | 18 | | | | | | | | | | | |
| | 19 | | | | | | | | | | | |
| | 20 | | | | | | | | | | | |
| | 21 | | | | | | | | | | | |
| | 22 | | | | | | | | | | | |
| | 23 | | | | | | | | | | | |
| | 24 | | | | | | | | | | | |
| | 25 | | | | | | | | | | | |
| | 26 | | | | | | | | | | | |
| | 27 | | | | | | | | | | | |
| | 28 | | | | | | | | | | | |
| | 29 | | | | | | | | | | | |
| | 30 | | | | | | | | | | | |
| | 31 | | | | | | | | | | | |
| | TOTALS | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 91.5 | 68.6 | 32.1 | 8.3 | 75.5 | 2398 |

OCEANAV-SMOS

3
NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12519 KAUFORE BAY, HI

73-82

OFC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OFC | 00 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 90.3 | 77.7 | 38.2 | 9.1 | 76.5 | 309 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 97.7 | 92.2 | 77.3 | 40.5 | 9.4 | 76.8 | 309 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 90.6 | 75.4 | 42.4 | 10.4 | 77.3 | 309 |
| | 11 | 100.0 | 100.0 | 100.0 | 100.0 | 95.4 | 77.7 | 41.7 | 17.2 | 3.6 | 69.0 | 309 |
| | 10 | 100.0 | 100.0 | 100.0 | 100.0 | 93.2 | 72.7 | 36.7 | 14.9 | 2.9 | 67.6 | 308 |
| | 17 | 100.0 | 100.0 | 100.0 | 99.7 | 95.8 | 84.7 | 48.7 | 16.6 | 3.2 | 70.1 | 308 |
| | 20 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 89.6 | 62.7 | 24.7 | 4.9 | 73.4 | 308 |
| | 27 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 90.3 | 69.3 | 32.7 | 5.2 | 74.7 | 309 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 76. | 96.0 | 61.2 | 24.4 | 6.1 | 73.2 | 2459 |

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12519 KANAWHA BAY, HI

71-92

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 100.0 | 100.0 | 100.0 | 98.5 | 85.6 | 60.5 | 28.3 | 6.1 | 73.3 | 2479 |
| FEB | | 100.0 | 100.0 | 100.0 | 100.0 | 97.6 | 85.3 | 62.8 | 29.4 | 4.6 | 73.3 | 2255 |
| MAR | | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 88.2 | 63.6 | 32.6 | 6.7 | 74.4 | 2490 |
| APR | | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 88.6 | 61.9 | 28.8 | 5.1 | 73.8 | 2470 |
| MAY | | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 93.3 | 65.2 | 24.9 | 3.6 | 74.0 | 2481 |
| JUN | | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 91.2 | 62.9 | 24.1 | 3.2 | 73.5 | 2399 |
| JUL | | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 91.9 | 63.3 | 27.1 | 4.2 | 74.0 | 2480 |
| AUG | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 96.0 | 65.7 | 25.4 | 3.7 | 74.4 | 2480 |
| SEP | | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 94.6 | 64.6 | 22.1 | 4.1 | 74.0 | 2392 |
| OCT | | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 92.2 | 62.8 | 23.3 | 4.0 | 73.7 | 2480 |
| NOV | | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 91.5 | 68.6 | 32.1 | 8.3 | 75.5 | 2398 |
| DEC | | 100.0 | 100.0 | 100.0 | 100.0 | 96.8 | 86.0 | 61.2 | 28.4 | 6.1 | 73.2 | 2469 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.1 | 90.4 | 63.6 | 27.2 | 5.0 | 73.9 | 29192 |

OCEANAV-SMOS

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

22519
STATION

KANEHOE BAY, HI
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JANUARY
MONTH

HOURS U.S.T.

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | 5.1 | 1.7 | 10.2 | 23.7 | 20.3 | 15.3 | 10.2 | | 13.6 | 59 | 2.6 |
| 77 TO 81 | 9.9 | 9.6 | 23.2 | 10.5 | 10.5 | 17.1 | 12.0 | 2.1 | 5.1 | 573 | 23.1 |
| 72 TO 76 | 6.8 | 12.2 | 36.5 | 4.8 | 13.3 | 8.7 | 6.0 | 4.1 | 10.6 | 1299 | 52.4 |
| 67 TO 71 | 6.2 | 13.1 | 20.8 | 2.1 | 10.7 | 14.3 | 9.8 | 3.2 | 19.9 | 533 | 21.5 |
| 62 TO 66 | | 7.1 | 28.8 | | | 50.0 | 7.1 | | 7.1 | 14 | .6 |
| 57 TO 61 | | | | | | | | 100.0 | | 1 | .0 |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 7.3 | 11.5 | 29.4 | 5.9 | 10.6 | 12.2 | 8.3 | 3.3 | 11.6 | 2879 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

07517

MANEAGE BAY, HI

JANUARY 1973-DECEMBER 1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

HOURS 24.0

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | 4.1 | 6.1 | 18.4 | 26.5 | 4.1 | 20.4 | 5.2 | 6.1 | 6.1 | 89 | 2.2 |
| 77 TO 81 | 7.5 | 11.8 | 36.2 | 12.5 | 7.3 | 9.9 | 9.2 | 3.3 | 2.4 | 425 | 18.8 |
| 72 TO 76 | 7.9 | 15.9 | 40.6 | 6.9 | 5.3 | 7.5 | 5.5 | 3.9 | 6.5 | 1279 | 53.6 |
| 67 TO 71 | 6.0 | 17.2 | 31.4 | 5.4 | 6.2 | 11.6 | 7.8 | 3.6 | 10.6 | 500 | 22.2 |
| 62 TO 66 | 6.9 | 30.6 | 13.9 | 2.8 | 8.3 | 16.7 | 5.8 | 8.3 | 6.9 | 72 | 3.2 |
| 57 TO 61 | | | | | | | 100.0 | | | 1 | .0 |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| 8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 7.3 | 15.6 | 36.4 | 7.9 | 5.9 | 9.4 | 6.8 | 3.9 | 6.6 | 2256 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

2119
STATION

MANECHE BAY, HI
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

MARCH
MONTH

HOURS U.S.T.

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | 100.0 | | | | | | | 1 | 0.0 |
| 82 TO 86 | 8.1 | 5.4 | 54.1 | 18.9 | 8.1 | | | | 5.4 | 37 | 1.5 |
| 77 TO 81 | 4.8 | 11.2 | 62.2 | 9.1 | 2.9 | 4.5 | 3.1 | .8 | 1.4 | 464 | 19.5 |
| 72 TO 76 | 3.8 | 10.0 | 65.7 | 5.4 | 2.5 | 3.7 | 2.5 | 1.5 | 4.9 | 1303 | 52.5 |
| 67 TO 71 | 4.0 | 14.6 | 60.4 | 2.2 | 2.7 | 3.8 | 2.7 | 3.7 | 5.9 | 628 | 25.3 |
| 62 TO 66 | 3.7 | 11.1 | 22.2 | 3.7 | 14.8 | 7.4 | 11.1 | 7.4 | 18.5 | 27 | 1.1 |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 4.1 | 11.3 | 63.0 | 5.5 | 2.9 | 3.9 | 2.7 | 2.0 | 4.6 | 2480 | 100.0 |

NAYWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22512

KALECHE BAY, HI

JANUARY 1973-DECEMBER 1982

APRIL

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 - | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | 1.5 | 3.1 | 61.5 | 24.6 | 6.2 | | 1.5 | 1.5 | | 66 | 2.7 |
| 77 TO 81 | 4.7 | 18.5 | 62.6 | 6.7 | 1.9 | 1.9 | .8 | .6 | 2.2 | 623 | 26.0 |
| 72 TO 76 | 2.8 | 15.7 | 55.4 | 4.5 | 1.5 | 2.6 | 2.0 | 1.8 | 3.9 | 1367 | 57.0 |
| 67 TO 71 | 6.7 | 22.2 | 51.8 | 2.4 | 2.4 | 3.3 | 2.4 | 2.1 | 7.6 | 329 | 13.7 |
| 62 TO 66 | 12.5 | 6.3 | 6.3 | | 12.5 | 12.5 | 12.5 | 25.0 | 12.5 | 16 | .7 |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 3.2 | 18.9 | 2.2 | 5.3 | 1.9 | 2.5 | 1.8 | 1.7 | 3.9 | 2400 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22719

WANEONE BAY, HI

JANUARY 1973-DECEMBER 1982

MAY

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 - | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | 3.5 | 9.2 | 67.6 | 13.3 | 1.7 | 2.3 | | .6 | 1.7 | 173 | 7.2 |
| 77 TO 81 | 2.2 | 12.7 | 71.5 | 6.8 | .9 | .5 | .3 | 1.1 | 3.9 | 483 | 35.6 |
| 72 TO 76 | 1.4 | 10.1 | 71.9 | 2.9 | 2.0 | 1.6 | 1.9 | 1.1 | 7.1 | 1226 | 69.4 |
| 67 TO 71 | 7.0 | 15.2 | 58.4 | 4.8 | 3.0 | 3.6 | 2.5 | | 10.7 | 197 | 7.9 |
| 62 TO 66 | | | 100.0 | | | | | | | 1 | .0 |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWP | | | | | | | | | | | |
| TOTALS | 1.9 | 11.5 | 70.4 | 5.1 | 1.7 | 1.4 | 1.3 | 1.0 | 5.8 | 2480 | 100.0 |

NAYWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

KANEHOE BAY, HI

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JUNE

MONTH

NO. OF DAYS

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 - | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | 3.3 | 66.7 | | | | | | | | .1 |
| 82 TO 86 | .9 | 16.6 | 71.9 | 9.7 | .3 | | | .3 | .3 | 32 | 13.3 |
| 77 TO 81 | 1.4 | 15.4 | 75.1 | 4.3 | .4 | .2 | .1 | .4 | 2.2 | 111 | 46.6 |
| 72 TO 76 | 1.7 | 11.7 | 74.3 | 2.2 | .7 | 1.1 | 2.0 | 1.2 | 5.2 | 899 | 37.5 |
| 67 TO 71 | 1.7 | 8.5 | 74.6 | | 5.1 | 5.1 | 1.7 | | 3.4 | 50 | 2.0 |
| 62 TO 66 | | | | | | | | | | | |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LOWER | | | | | | | | | | | |
| TOTALS | 1.5 | 18.3 | 74.2 | 4.1 | .7 | .6 | .8 | .7 | 3.1 | 2399 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

2-1-
STATION

KALLOE FAY, HI

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JULY

MONTH

NO. OF

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | 7.7 | 76.9 | 15.4 | | | | | | 1 | .5 |
| 82 TO 86 | 1.8 | 20.1 | 71.9 | 5.3 | .2 | | | | .7 | 438 | 17.7 |
| 77 TO 81 | .6 | 13.7 | 81.1 | 2.6 | .2 | .2 | .3 | | 1.3 | 1267 | 51.2 |
| 72 TO 76 | .3 | 10.5 | 83.1 | 1.1 | .3 | .4 | .4 | .1 | 4.7 | 733 | 29.6 |
| 67 TO 71 | | 3.7 | 85.2 | 7.4 | 3.7 | | | | | | 1.1 |
| 62 TO 66 | | | | | | | | | | | |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| 13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LOWER | | | | | | | | | | | |
| TOTALS | .7 | 13.8 | 84.1 | 2.7 | .3 | .2 | .3 | .0 | 2.0 | 2490 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

12019

KAILOHE BAY, HI

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 - | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | 6.7 | 79.3 | 13.6 | | | | | | 99.6 | 1.2 |
| 82 TO 86 | 1.9 | 20.1 | 73.4 | 3.6 | .5 | | .2 | | .3 | 96.6 | 23.6 |
| 77 TO 81 | .4 | 15.2 | 77.1 | 2.9 | .2 | .5 | 1.0 | .2 | 2.9 | 146.7 | 58.9 |
| 72 TO 76 | 1.0 | 11.2 | 74.7 | 2.7 | .2 | 2.0 | 1.5 | .7 | 6.0 | 403 | 16.3 |
| 67 TO 71 | | | 100.0 | | | | | | | | .1 |
| 62 TO 66 | | | | | | | | | | | |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | .5 | 15.6 | 75.8 | 2.9 | .3 | .6 | .8 | .2 | 2.8 | 246 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22-19
STATION

KAHOE RAY, HI

STATION NAME

JANUARY 1973-DECEMBER 1982 SEPTEMBER

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | 1.4 | 12.3 | 56.1 | 28.1 | 1.8 | | | | | 57 | 2.4 |
| 82 TO 86 | 3.9 | 20.4 | 69.1 | 5.4 | | | | .7 | 1.0 | 60 | 25.4 |
| 77 TO 81 | 1.5 | 11.8 | 75.7 | 4.2 | .4 | .7 | .8 | .4 | 4.5 | 134 | 56.2 |
| 72 TO 76 | .5 | 9.7 | 58.0 | 1.3 | 3.4 | 7.3 | 5.0 | 2.4 | 12.3 | 381 | 15.9 |
| 67 TO 71 | | 0.0 | | | | 0.0 | | | | | .1 |
| 62 TO 66 | | | | | | | | | | | |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 2.0 | 13.7 | 70.7 | 4.6 | .8 | 1.6 | 1.3 | .7 | 4.8 | 2392 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

02019

KAPEOHE BAY, HI

JANUARY 1973-DECEMBER 1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 - | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | 5.2 | 20.7 | 10.3 | 10.3 | 3.4 | | | 50 | 1.2 |
| 82 TO 86 | 4.2 | 18.5 | 62.1 | 8.5 | 2.0 | 1.8 | 1.1 | .7 | 1.1 | 440 | 18.1 |
| 77 TO 81 | 2.6 | 13.1 | 64.6 | 4.8 | 1.2 | 1.8 | 2.0 | 1.3 | 4.7 | 1363 | 55.4 |
| 72 TO 76 | 1.8 | 7.4 | 62.2 | 2.9 | 4.3 | 3.9 | 5.4 | 2.5 | 9.2 | 611 | 24.6 |
| 67 TO 71 | | 21.4 | 14.3 | | 14.3 | 17.7 | 10.7 | 7.1 | 21.4 | 28 | 1.1 |
| 62 TO 66 | | | | | | | | | | | |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -63 TO -59 | | | | | | | | | | | |
| TOTALS | 2.7 | 12.7 | 65.1 | 5.1 | 2.3 | 2.5 | 2.8 | 1.5 | 5.3 | 2440 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

KANE OHE BAY, MI

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

NOVEMBER

MONTH

HOURS - L.S.T.

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122- | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | 50.0 | | 50.0 | | | | | | | .1 |
| 82 TO 86 | 7.3 | 10.4 | 50.3 | 21.2 | 2.1 | 3.1 | | | 5.7 | 193 | 6.0 |
| 77 TO 81 | 5.0 | 12.9 | 63.8 | 8.8 | 2.2 | 2.1 | 1.0 | .7 | 3.5 | 985 | 41.1 |
| 72 TO 76 | 4.1 | 13.1 | 48.6 | 3.0 | 5.3 | 6.6 | 6.5 | 2.1 | 10.2 | 1114 | 46.5 |
| 67 TO 71 | 11.7 | 16.5 | 7.8 | 3.9 | 10.7 | 10.7 | 12.6 | 1.9 | 24.3 | 103 | 4.3 |
| 62 TO 66 | | 100.0 | | | | | | | | 1 | .0 |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -3 | | | | | | | | | | | |
| -13 TO -8 | | | | | | | | | | | |
| -18 TO -13 | | | | | | | | | | | |
| -23 TO -18 | | | | | | | | | | | |
| -28 TO -23 | | | | | | | | | | | |
| -33 TO -28 | | | | | | | | | | | |
| -38 TO -33 | | | | | | | | | | | |
| -43 TO -38 | | | | | | | | | | | |
| -48 TO -43 | | | | | | | | | | | |
| -53 TO -48 | | | | | | | | | | | |
| -58 TO -53 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 5.0 | 13.0 | 53.1 | 7.2 | 4.0 | 4.6 | 4.0 | 1.3 | 7.7 | 2398 | 100.0 |

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

KAILOHE BAY, HI

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

DECEMBER

MONTH

HOURS U.S.T.

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 + | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | | | | | | 100.0 | | | | 1 | .0 |
| 82 TO 86 | 5.3 | 8.4 | 24.2 | 25.3 | 6.3 | 9.5 | 6.3 | 4.2 | 10.5 | 95 | 3.8 |
| 77 TO 81 | 6.1 | 12.9 | 45.5 | 8.8 | 5.6 | 9.5 | 4.7 | 1.5 | 5.4 | 661 | 26.8 |
| 72 TO 76 | 5.8 | 20.7 | 40.9 | 3.4 | 4.0 | 7.0 | 4.9 | 2.2 | 11.1 | 1392 | 56.4 |
| 67 TO 71 | 5.6 | 18.6 | 16.1 | 2.9 | 12.1 | 10.8 | 11.1 | 4.9 | 18.0 | 306 | 12.4 |
| 62 TO 66 | 7.1 | 14.3 | 14.3 | | 14.3 | 14.3 | 14.3 | 21.4 | | 14 | .6 |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -12 TO -8 | | | | | | | | | | | |
| -16 TO -12 | | | | | | | | | | | |
| -20 TO -16 | | | | | | | | | | | |
| -24 TO -20 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -32 TO -28 | | | | | | | | | | | |
| -36 TO -32 | | | | | | | | | | | |
| -40 TO -36 | | | | | | | | | | | |
| -44 TO -40 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -52 TO -48 | | | | | | | | | | | |
| -56 TO -52 | | | | | | | | | | | |
| -60 & LWR | | | | | | | | | | | |
| TOTALS | 5.0 | 17.8 | 38.3 | 5.6 | 5.6 | 8.3 | 9.7 | 2.5 | 10.3 | 2469 | 100.0 |

NAVWEASRVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

MAJED E BAY, HI

JANUARY 1973-DECEMBER 1982

ALL

STATION

STATION NAME

YEARS

MONTH

NO. OF

WIND DIRECTION

| TEMP. | NNW
& N | NNE
& NE | ENE
& E | ESE
& SE | SSE
& S | SSW
& SW | WSW
& W | WNW
& NW | CALM | TOTAL
FREQ. | % OF
TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122° | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 87 TO 91 | .7 | 8.9 | 62.2 | 21.5 | 3.0 | 3.0 | .7 | | | 135 | .5 |
| 82 TO 86 | 3.2 | 16.7 | 64.6 | 9.2 | 1.6 | 1.5 | .7 | .5 | 1.0 | 3072 | 10.5 |
| 77 TO 81 | 3.0 | 13.5 | 66.9 | 5.7 | 1.9 | 2.0 | 2.0 | .8 | 3.3 | 11188 | 38.3 |
| 72 TO 76 | 3.8 | 13.1 | 57.7 | 3.0 | 3.7 | 4.6 | 3.7 | 2.1 | 7.5 | 11937 | 40.9 |
| 67 TO 71 | 5.3 | 16.1 | 39.0 | 3.1 | 6.4 | 8.4 | 6.3 | 3.1 | 12.2 | 2714 | 9.3 |
| 62 TO 66 | 6.2 | 20.7 | 16.6 | 2.1 | 9.7 | 17.2 | 8.3 | 10.3 | 9.0 | 145 | .5 |
| 57 TO 61 | | | | | | | 50.0 | 50.0 | | 2 | .0 |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 TO 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO -4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO -14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO -24 | | | | | | | | | | | |
| -33 TO -29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| -48 TO -44 | | | | | | | | | | | |
| -53 TO -49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 3.5 | 14.0 | 60.0 | 5.1 | 3.1 | 4.0 | 3.0 | 1.6 | 5.7 | 29193 | 100.0 |

NAVWEASERVCOM

NOGD, Federal Building
Asheville, N. C.

PART F

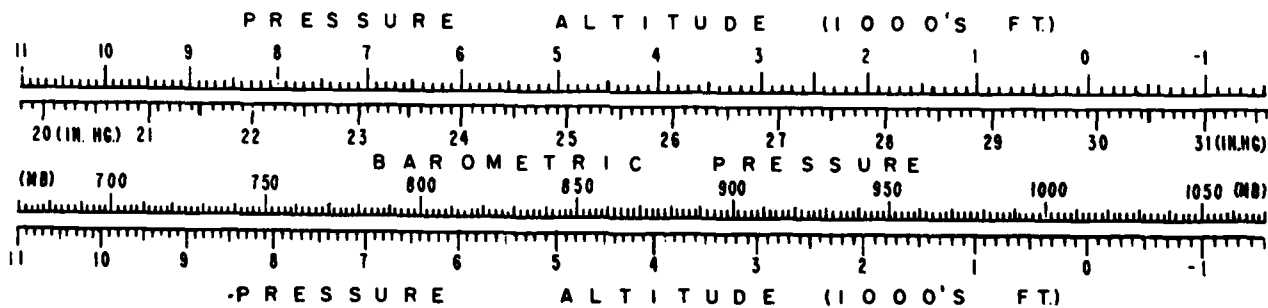
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

22-19 MAWEOHE BAY, HI

73-82

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|--------------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| 0 | MEAN | 1015.3 | 1016.5 | 1018.1 | 1018.0 | 1017.8 | 1017.4 | 1017.1 | 1016.5 | 1015.8 | 1015.9 | 1016.1 | 1016.4 | 1016.7 |
| | S. D. | 3.558 | 3.980 | 2.902 | 2.372 | 1.891 | 1.651 | 1.755 | 1.651 | 1.939 | 1.920 | 2.547 | 3.151 | 2.669 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 299 | 309 | 3649 |
| | MEAN | 1014.8 | 1015.8 | 1017.3 | 1017.4 | 1017.3 | 1017.0 | 1016.7 | 1015.9 | 1015.3 | 1015.4 | 1015.4 | 1015.9 | 1016.2 |
| | S. D. | 3.563 | 3.987 | 2.924 | 2.361 | 1.886 | 1.681 | 1.779 | 1.683 | 1.544 | 1.965 | 2.514 | 3.207 | 2.643 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 299 | 310 | 310 | 299 | 310 | 300 | 309 | 3649 |
| | MEAN | 1016.0 | 1017.1 | 1018.7 | 1018.7 | 1018.5 | 1018.2 | 1017.8 | 1017.1 | 1016.4 | 1016.6 | 1016.7 | 1017.1 | 1017.4 |
| | S. D. | 3.565 | 3.946 | 2.943 | 2.377 | 1.881 | 1.680 | 1.753 | 1.675 | 1.551 | 1.991 | 2.466 | 3.238 | 2.692 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| 1 | MEAN | 1016.6 | 1017.7 | 1019.3 | 1019.2 | 1018.8 | 1018.4 | 1018.1 | 1017.5 | 1016.9 | 1017.1 | 1017.0 | 1017.5 | 1017.8 |
| | S. D. | 3.565 | 3.996 | 2.969 | 2.398 | 1.894 | 1.694 | 1.702 | 1.690 | 1.558 | 2.006 | 2.477 | 3.241 | 2.694 |
| | TOTAL OBS | 310 | 292 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| 1 | MEAN | 1014.1 | 1015.5 | 1017.5 | 1017.7 | 1017.6 | 1017.4 | 1017.1 | 1016.3 | 1015.2 | 1015.0 | 1014.8 | 1015.2 | 1016.1 |
| | S. D. | 3.556 | 4.067 | 2.917 | 2.362 | 1.881 | 1.697 | 1.705 | 1.697 | 1.574 | 1.987 | 2.511 | 3.195 | 2.829 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| 1 | MEAN | 1014.2 | 1015.2 | 1016.8 | 1016.9 | 1016.9 | 1016.6 | 1016.3 | 1015.5 | 1014.7 | 1014.9 | 1014.9 | 1015.2 | 1015.7 |
| | S. D. | 3.513 | 3.970 | 2.888 | 2.347 | 1.844 | 1.655 | 1.719 | 1.678 | 1.581 | 1.947 | 2.491 | 3.141 | 2.676 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 1015.7 | 1016.6 | 1018.3 | 1018.3 | 1018.1 | 1017.7 | 1017.3 | 1016.6 | 1016.1 | 1016.5 | 1016.4 | 1016.7 | 1017.0 |
| | S. D. | 3.487 | 3.891 | 2.870 | 2.337 | 1.796 | 1.613 | 1.727 | 1.659 | 1.547 | 1.918 | 2.537 | 3.150 | 2.627 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| 2 | MEAN | 1016.2 | 1017.4 | 1019.2 | 1019.2 | 1019.1 | 1018.7 | 1018.3 | 1017.6 | 1016.9 | 1017.0 | 1017.0 | 1017.3 | 1017.8 |
| | S. D. | 3.499 | 3.917 | 2.881 | 2.324 | 1.793 | 1.640 | 1.700 | 1.619 | 1.537 | 1.914 | 2.546 | 3.150 | 2.680 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| ALL HOURS | MEAN | 1015.4 | 1016.5 | 1018.1 | 1018.2 | 1018.0 | 1017.7 | 1017.3 | 1016.6 | 1015.9 | 1016.1 | 1016.0 | 1016.4 | 1016.9 |
| | S. D. | 3.641 | 4.054 | 3.029 | 2.487 | 1.987 | 1.787 | 1.841 | 1.798 | 1.721 | 2.117 | 2.647 | 3.292 | 2.799 |
| | TOTAL OBS | 2480 | 2258 | 2480 | 2400 | 2480 | 2399 | 2480 | 2480 | 2392 | 2480 | 2399 | 2469 | 29195 |

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

22-12 KALEOGH BAY, HI

73-82

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|--------------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | MEAN | 29.959 | 29.993 | 30.040 | 30.037 | 30.031 | 30.019 | 30.011 | 29.992 | 29.978 | 29.977 | 29.980 | 29.991 | 30.000 |
| | S. D. | .105 | .116 | .085 | .071 | .055 | .040 | .051 | .046 | .045 | .056 | .075 | .093 | .079 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| | MEAN | 29.942 | 29.972 | 30.018 | 30.018 | .017 | 30.008 | 29.999 | 29.977 | 29.957 | 29.962 | 29.962 | 29.974 | 29.984 |
| | S. D. | .105 | .117 | .086 | .069 | .055 | .049 | .052 | .049 | .045 | .057 | .074 | .094 | .079 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 299 | 310 | 310 | 299 | 310 | 300 | 309 | 3649 |
| | MEAN | 29.978 | 30.010 | 30.058 | 30.059 | 30.054 | 30.043 | 30.033 | 30.011 | 29.991 | 29.998 | 29.999 | 30.010 | 30.020 |
| | S. D. | .105 | .116 | .087 | .070 | .055 | .049 | .051 | .049 | .046 | .058 | .073 | .095 | .079 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| 1 | MEAN | 29.996 | 30.030 | 30.076 | 30.072 | 30.062 | 30.050 | 30.041 | 30.022 | 30.004 | 30.010 | 30.009 | 30.023 | 30.033 |
| | S. D. | .105 | .117 | .088 | .070 | .055 | .049 | .049 | .049 | .045 | .058 | .073 | .095 | .079 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| 1 | MEAN | 29.971 | 29.948 | 30.021 | 30.028 | 30.020 | 30.021 | 30.012 | 29.987 | 29.956 | 29.950 | 29.943 | 29.954 | 29.982 |
| | S. D. | .105 | .119 | .086 | .070 | .055 | .049 | .049 | .050 | .046 | .058 | .075 | .094 | .083 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| 1 | MEAN | 29.924 | 29.955 | 30.003 | 30.005 | 30.004 | 29.998 | 29.988 | 29.963 | 29.941 | 29.946 | 29.945 | 29.955 | 29.949 |
| | S. D. | .103 | .116 | .085 | .069 | .054 | .048 | .049 | .046 | .045 | .057 | .074 | .093 | .079 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| | MEAN | 29.969 | 29.997 | 30.045 | 30.046 | 30.041 | 30.028 | 30.017 | 29.997 | 29.981 | 29.992 | 29.991 | 29.999 | 30.009 |
| | S. D. | .103 | .114 | .085 | .069 | .052 | .047 | .050 | .048 | .045 | .056 | .075 | .093 | .077 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 308 | 3649 |
| 2 | MEAN | 29.984 | 30.021 | 30.073 | 30.074 | 30.079 | 30.057 | 30.045 | 30.025 | 30.005 | 30.009 | 30.006 | 30.016 | 30.032 |
| | S. D. | .103 | .114 | .085 | .069 | .052 | .048 | .049 | .047 | .045 | .056 | .074 | .093 | .079 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| ALL HOURS | MEAN | 29.959 | 29.993 | 30.042 | 30.042 | 30.038 | 30.028 | 30.018 | 29.997 | 29.976 | 29.980 | 29.980 | 29.990 | 30.004 |
| | S. D. | .107 | .119 | .089 | .073 | .058 | .052 | .053 | .052 | .050 | .062 | .078 | .097 | .082 |
| | TOTAL OBS | 2480 | 2256 | 2480 | 2400 | 2480 | 2399 | 2480 | 2480 | 2392 | 2480 | 2400 | 2469 | 29196 |

NAVWEASERVCOM

END

DATE

FILMED

7-85